

FIG. 1

FIG. 2

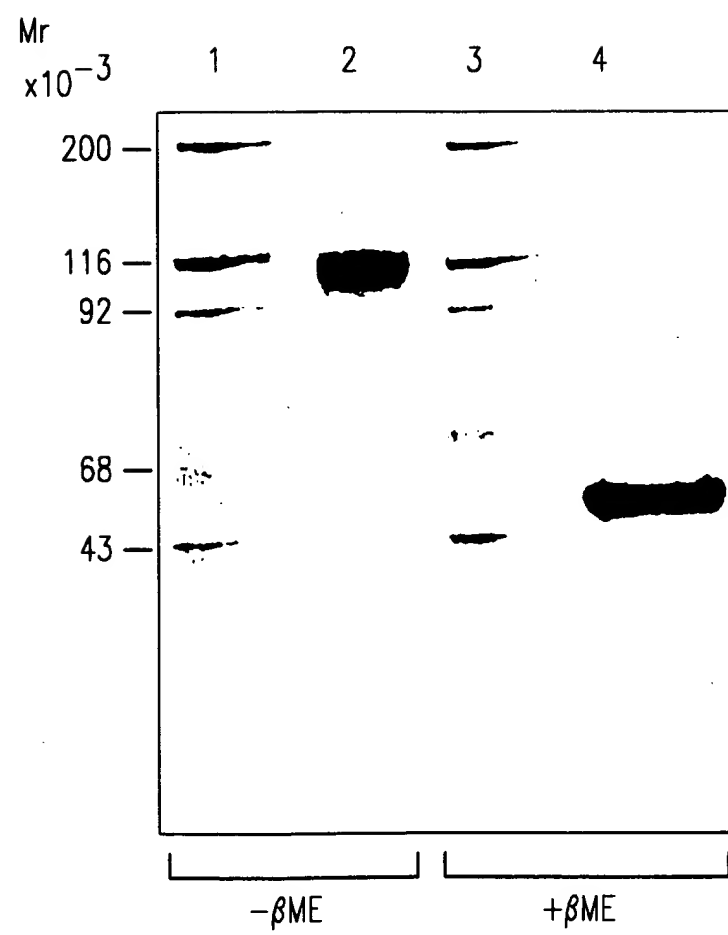


FIG. 3

⁻²⁶
M G V L L T Q R T L L S L V L 45
ATG GGT GTA CTG CTC ACA CAG AGG ACG CTG CTC AGT CTG GTC CTT

A L L F P S M A S M A ⁻¹ ⁺¹ M H V A 90
GCA CTC CTG TTT CCA AGC ATG GCG AGC ATG GCA ATG CAG GTG GCC

Q P A V V ⁺¹⁰ L A S S R G I A S F 135
CAG CCT GCT GTG GTA CTG GCC AGC AGC CGA GGC ATC GCC AGC TTT

⁺²⁰ V C E Y A S P G K A ⁺³⁰ T E V R V 180
GTG TGT GAG TAT GCA TCT CCA GGC AAA GCC ACT GAG GTC CGG GTG

T V L R Q A D S Q V T E V C A 225
ACA GTG CTT CGG CAG GCT GAC AGC CAG GTG ACT GAA GTC TGT GCG

⁺⁵⁰ A T Y M M G N E L T ⁺⁶⁰ F L D D S 270
GCA ACC TAC ATG ATG GGG AAT GAG TTG ACC TTC CTA GAT GAT TCC

I C T G T S S G N Q V N L T I 315
ATC TGC ACG GGC ACC TCC AGT GGA AAT CAA GTG AAC CTC ACT ATC

⁺⁸⁰ Q G L R A M D T G L ⁺⁹⁰ Y I C K V 360
CAA GGA CTG AGG GCC ATG GAC ACG GGA CTC TAC ATC TGC AAG GTG

E L M Y P P P Y Y L G I G ^{GLYCOSYLATION SITE} N G 405
GAG CTC ATG TAC CCA CCG CCA TAC TAC CTG GGC ATA GGC AAC GGA

⁺¹¹⁰ T Q I Y V I D P E P ⁺¹²⁰ C P D S D 450
ACC CAG ATT TAT GTG ATT GAT CCA GAA CCG TGC CCA GAT TCT GAC

F L L W I L A A V S S G L F F 495
TTC CTC CTC TGG ATC CTT GCA GCA GTT AGT TCG GGG TTG TTT TTT

⁺¹⁴⁰ Y S F L L T A V S L ⁺¹⁵⁰ S K M L K 540
TAT AGC TTT CTC CTC ACA GCT GTT TCT TTG AGC AAA ATG CTA AAG

K R S P L T T G V Y V K M P P 585
AAA AGA AGC CCT CTT ACA ACA GGG GTC TAT GTG AAA ATG CCC CCA

⁺¹⁷⁰ T E P E C E K Q F Q ⁺¹⁸⁰ P Y F I P 630
ACA GAG CCA GAA TGT GAA AAG CAA TTT CAG CCT TAT TTT ATT CCC

I N
ATC AAT 636

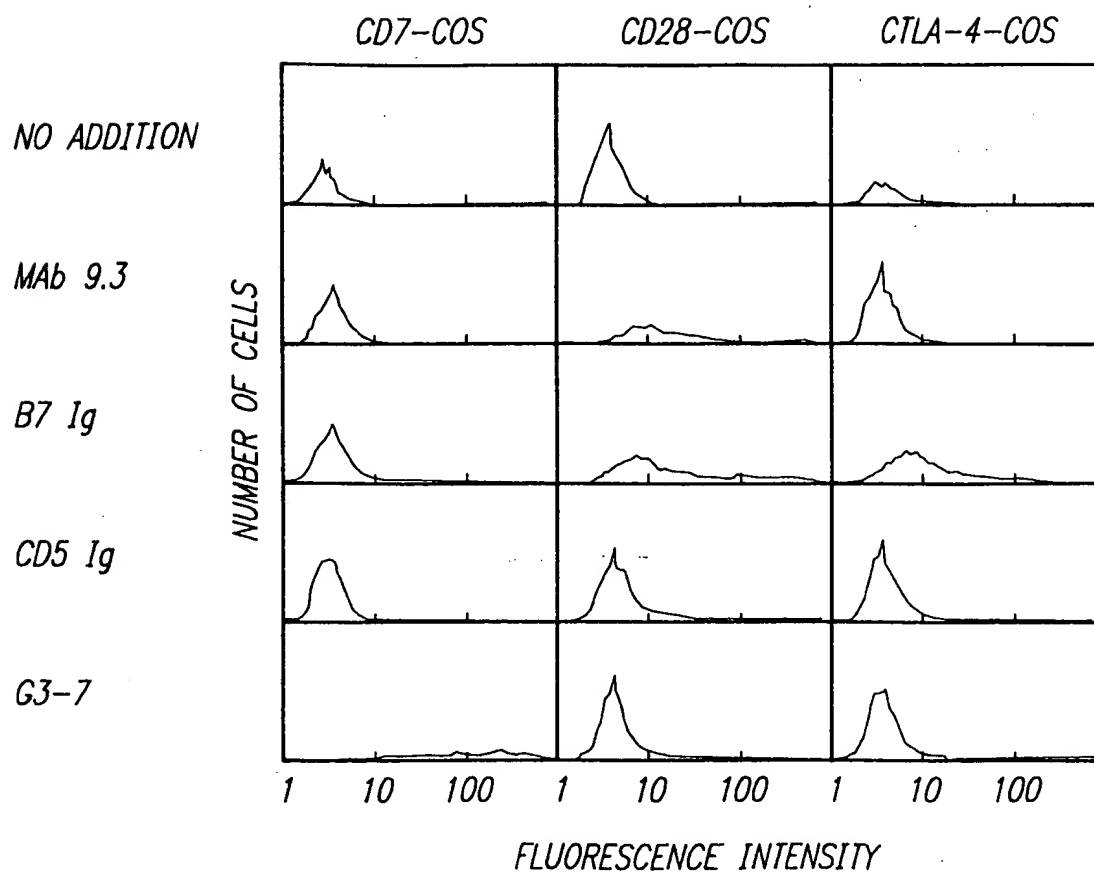


FIG. 4

FIG. 5

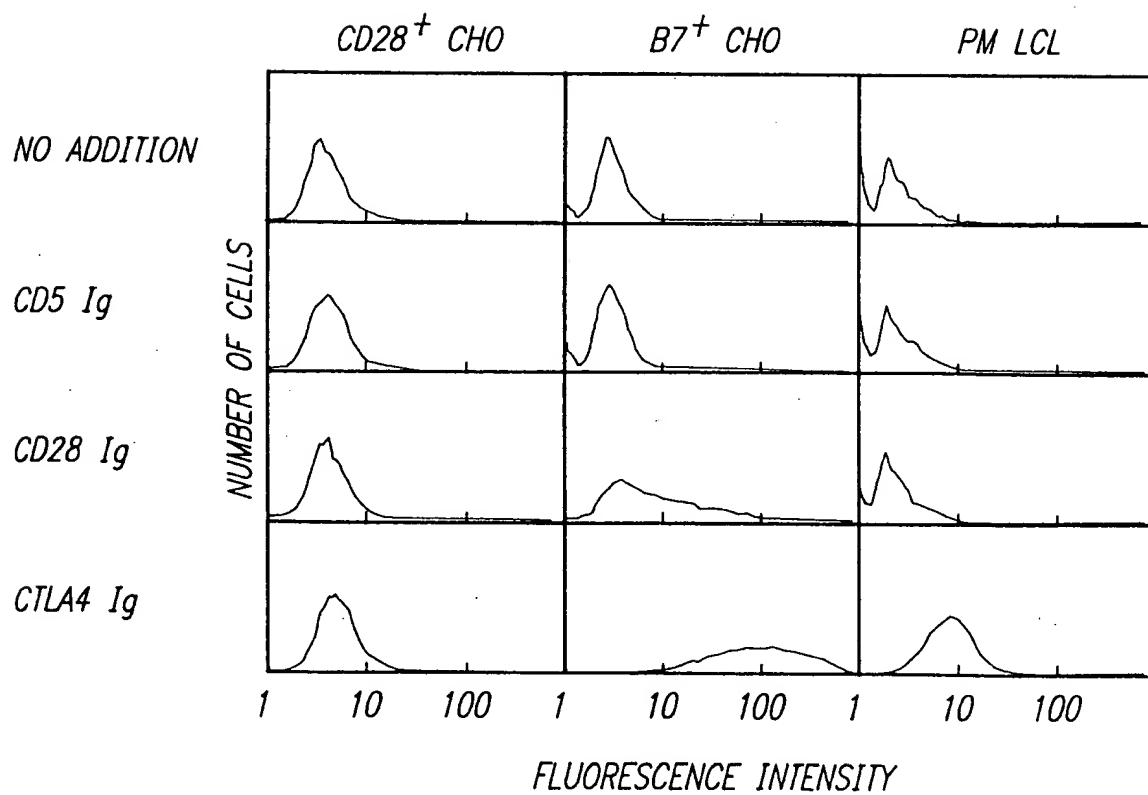


FIG. 6

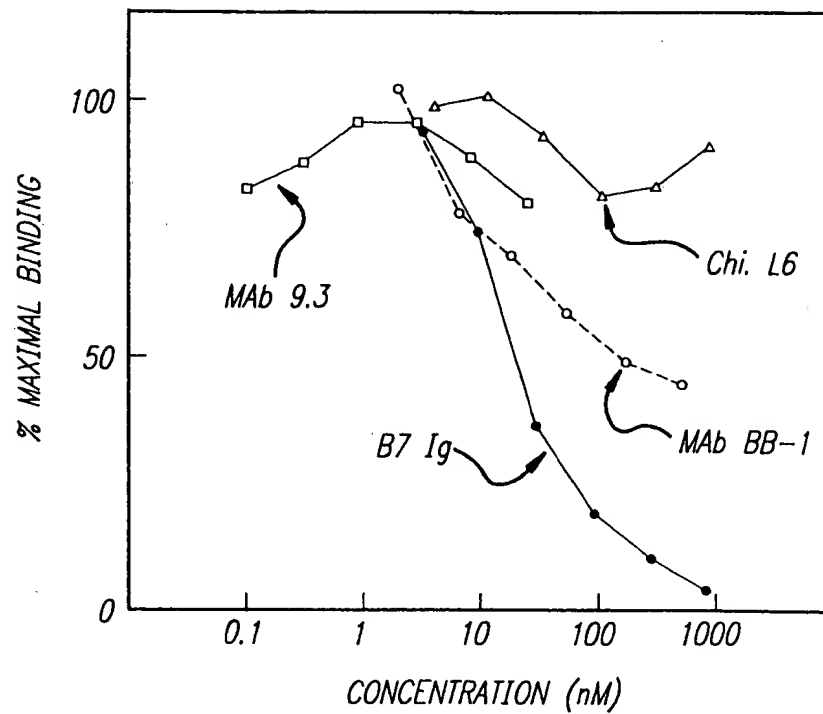


FIG. 7

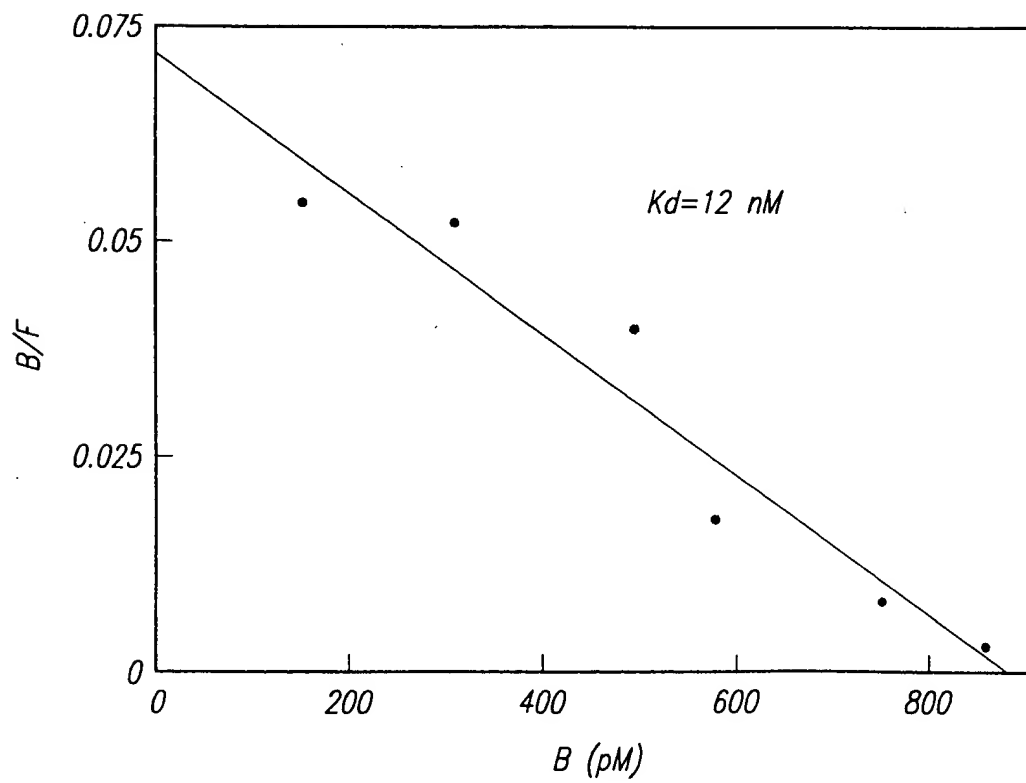


FIG. 8

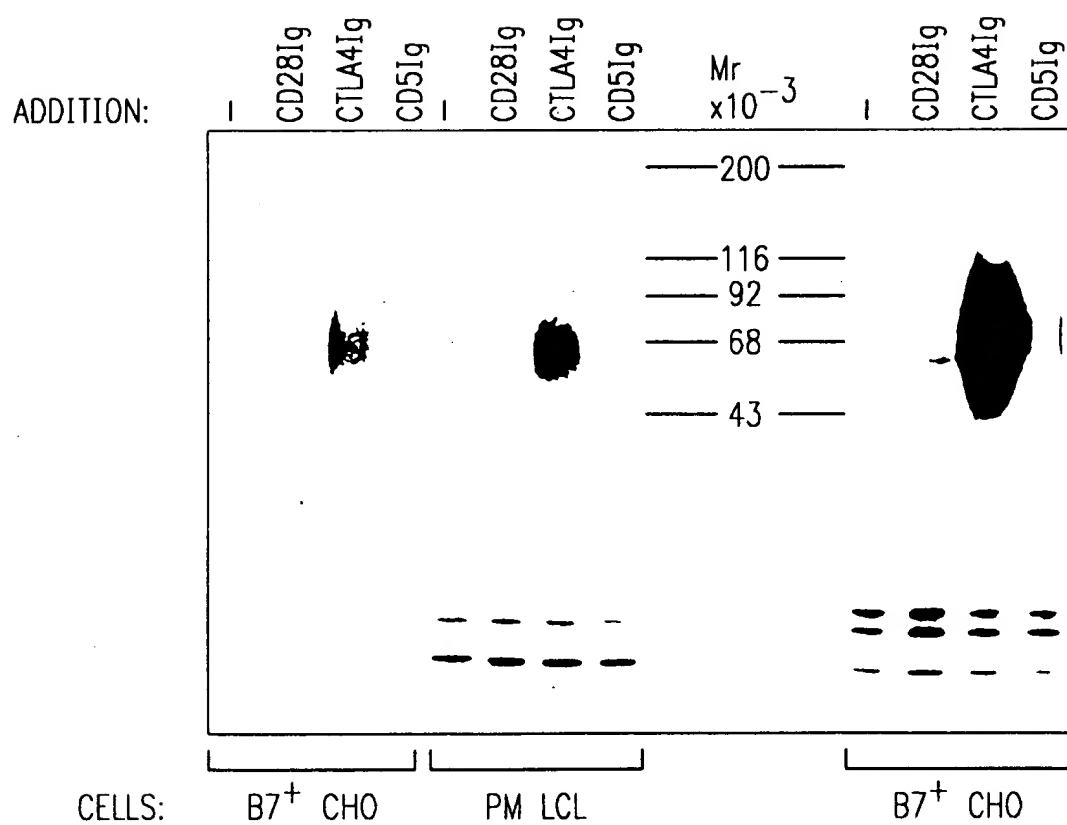


FIG. 9

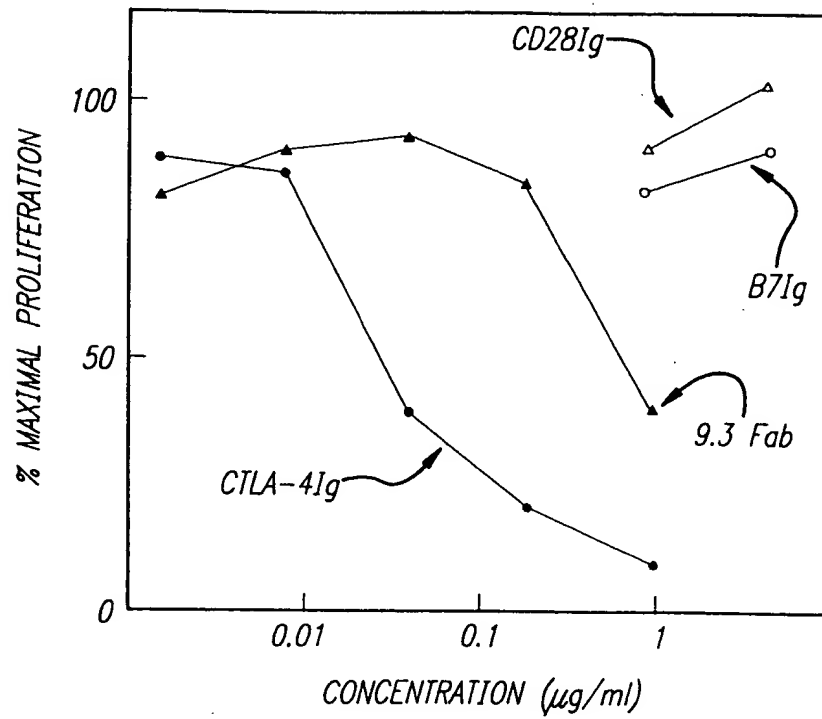


FIG. 10

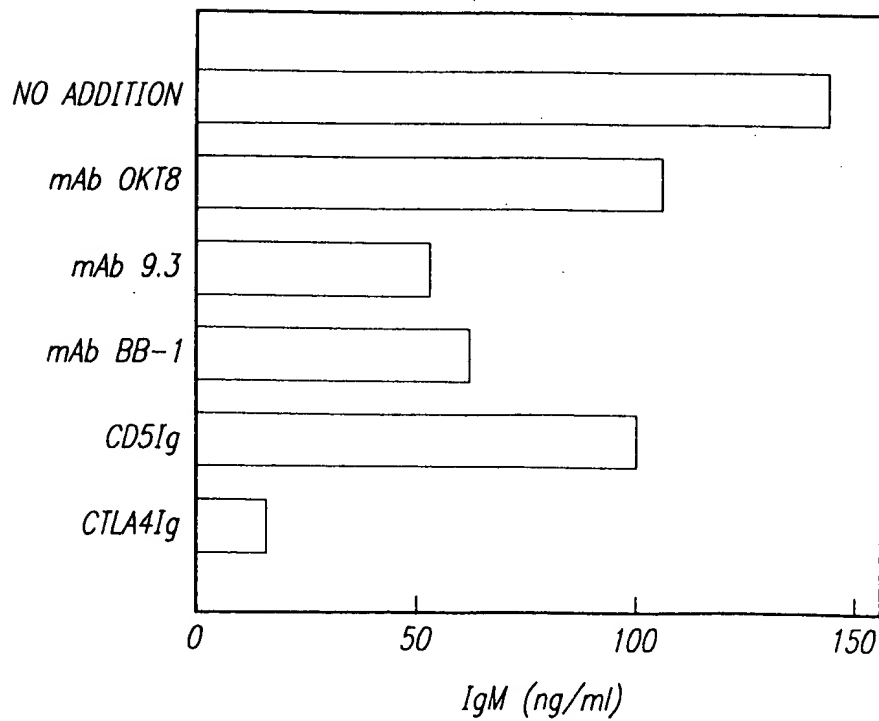


FIG. 11A

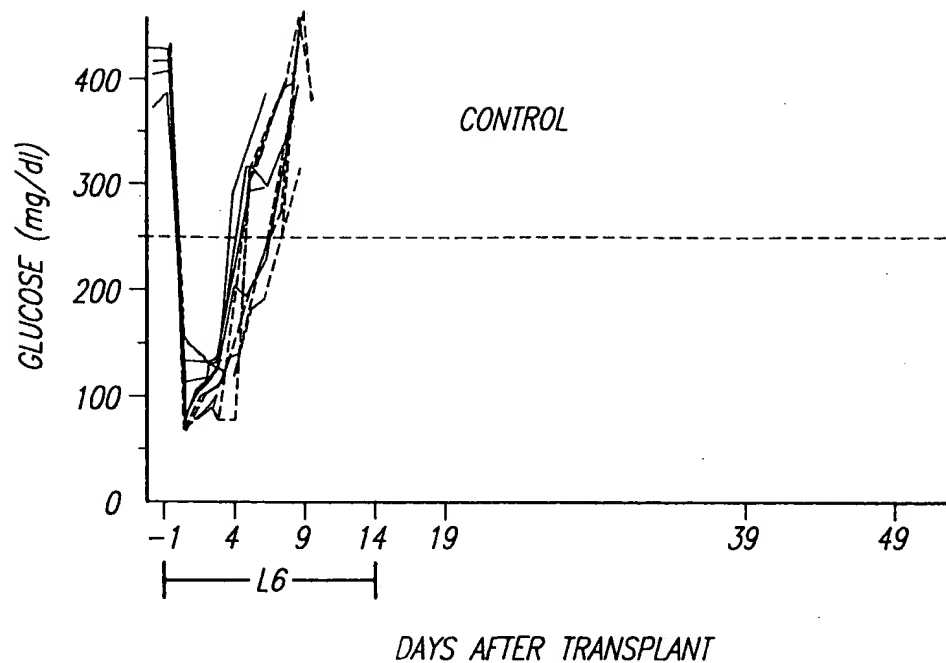


FIG. 11B

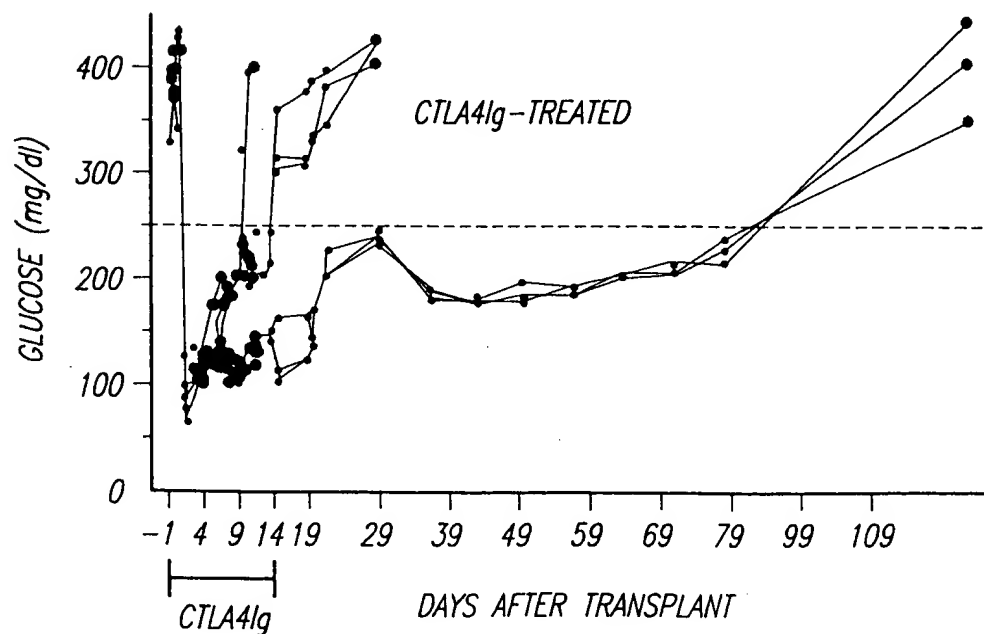


FIG. 11C

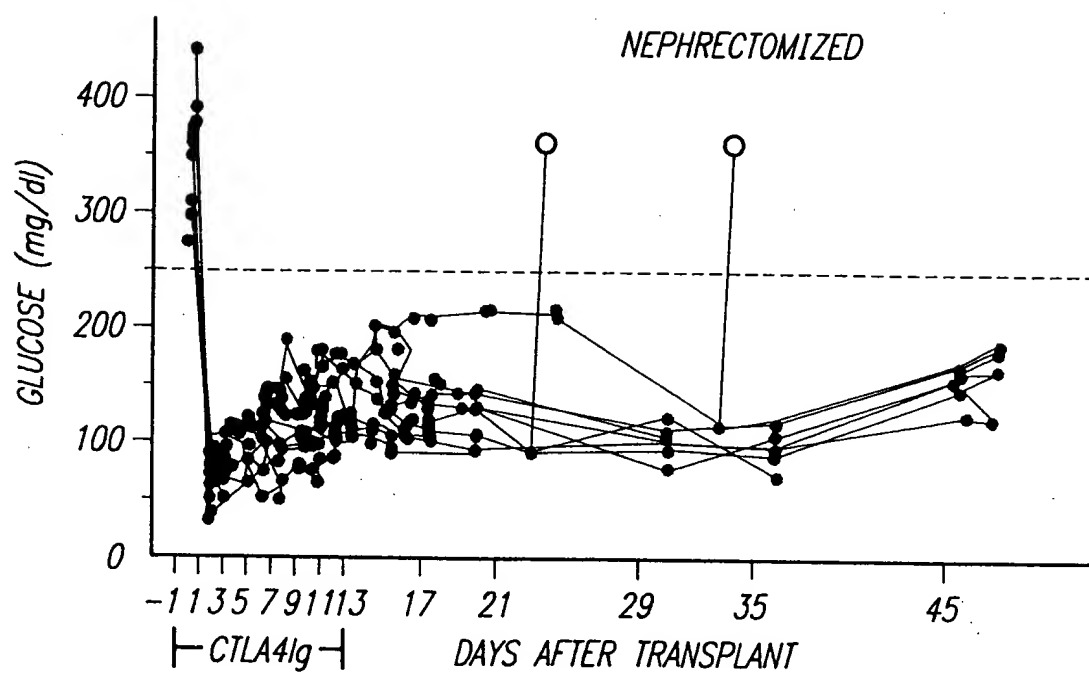


FIG. 12

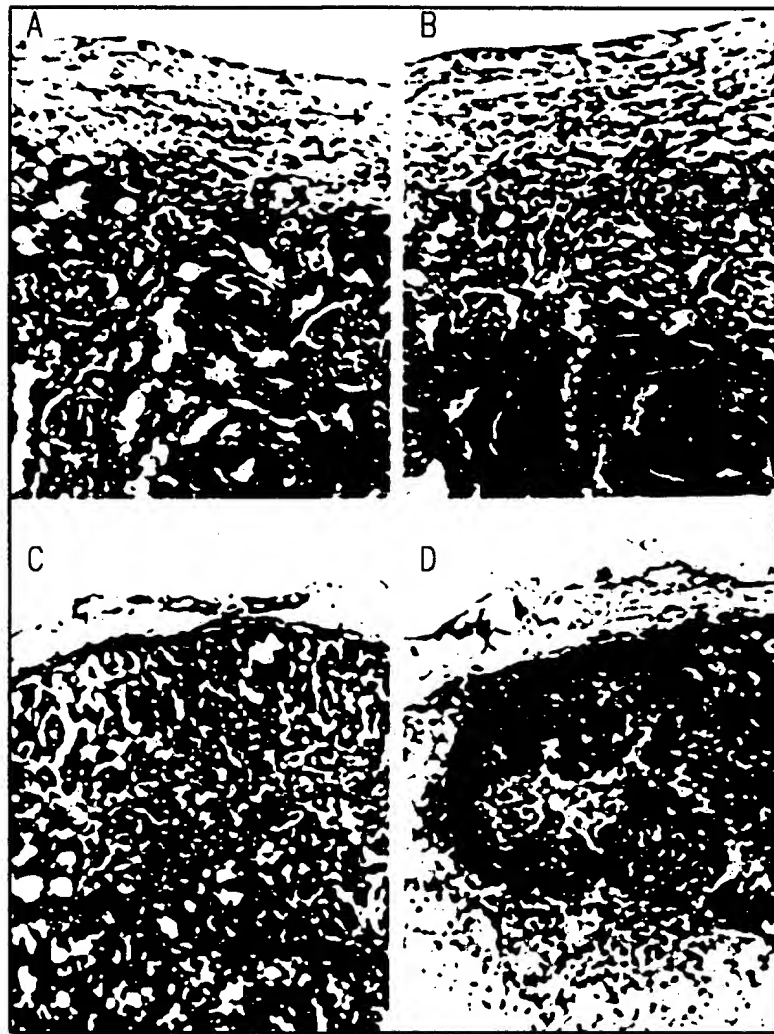
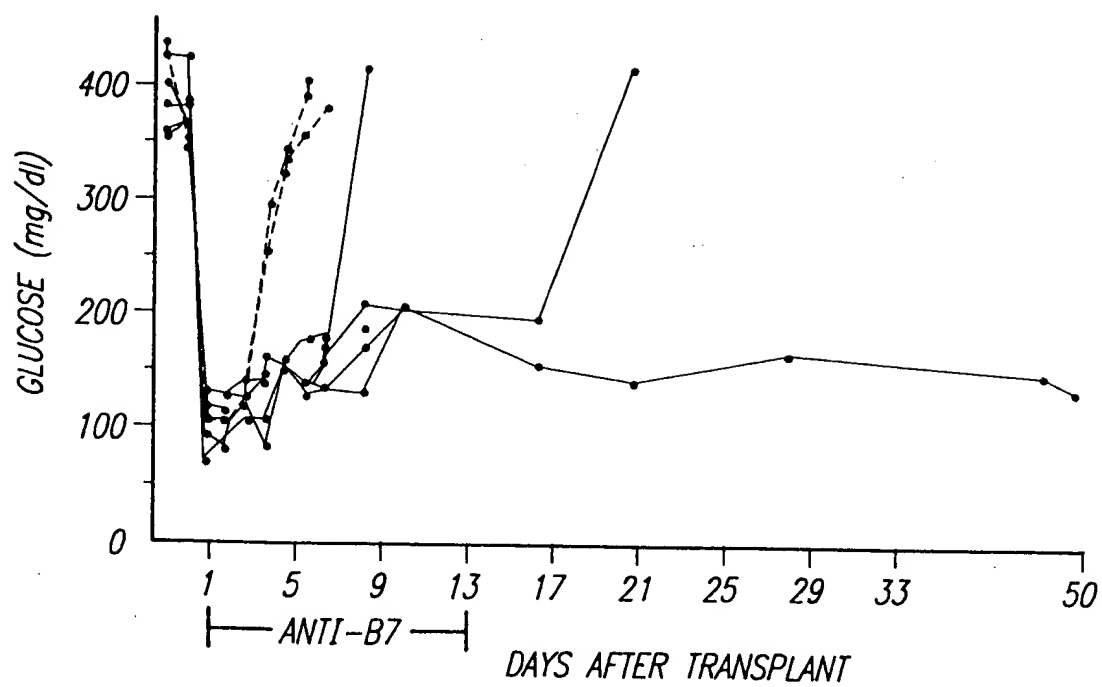
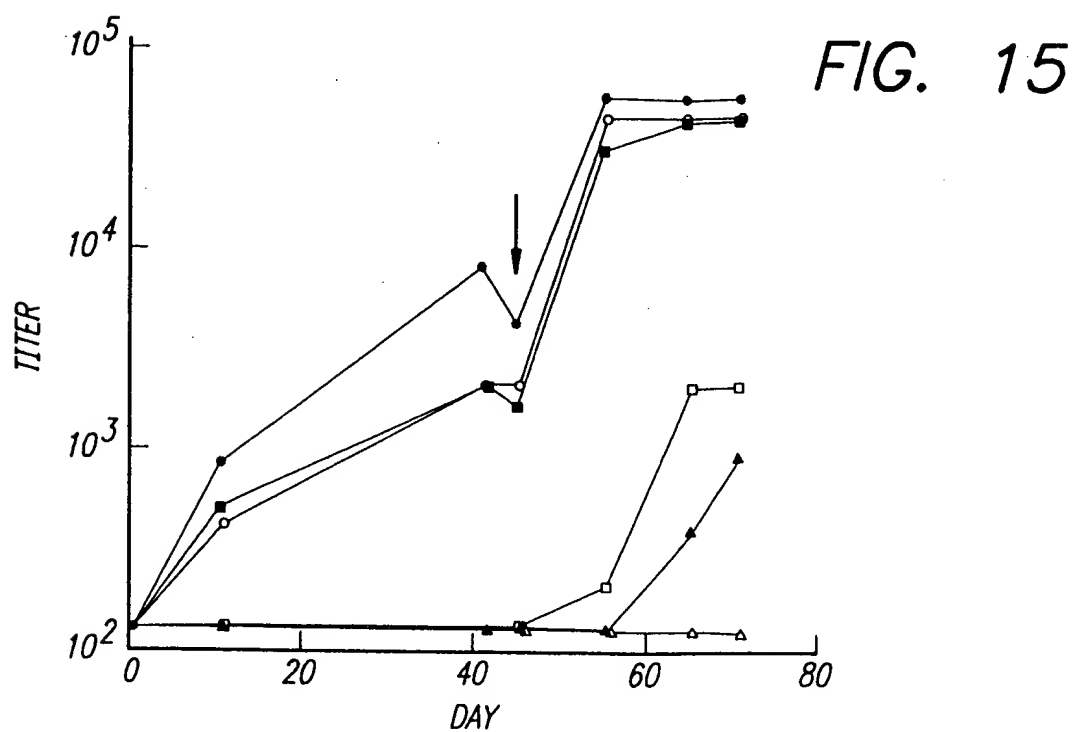
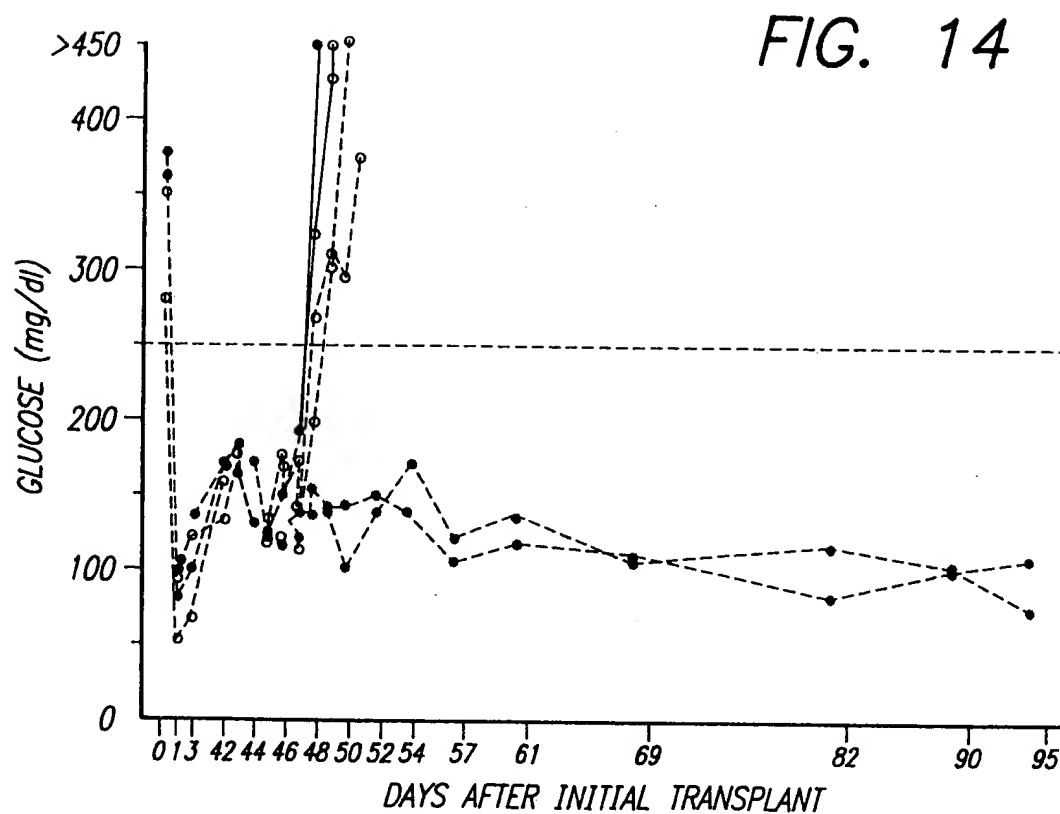
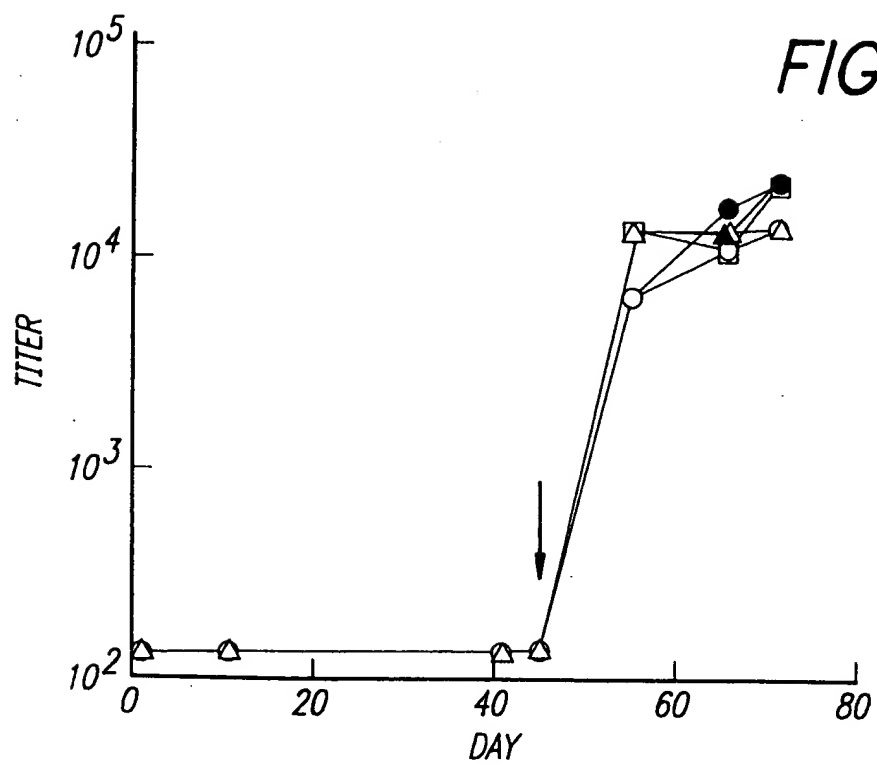


FIG. 13







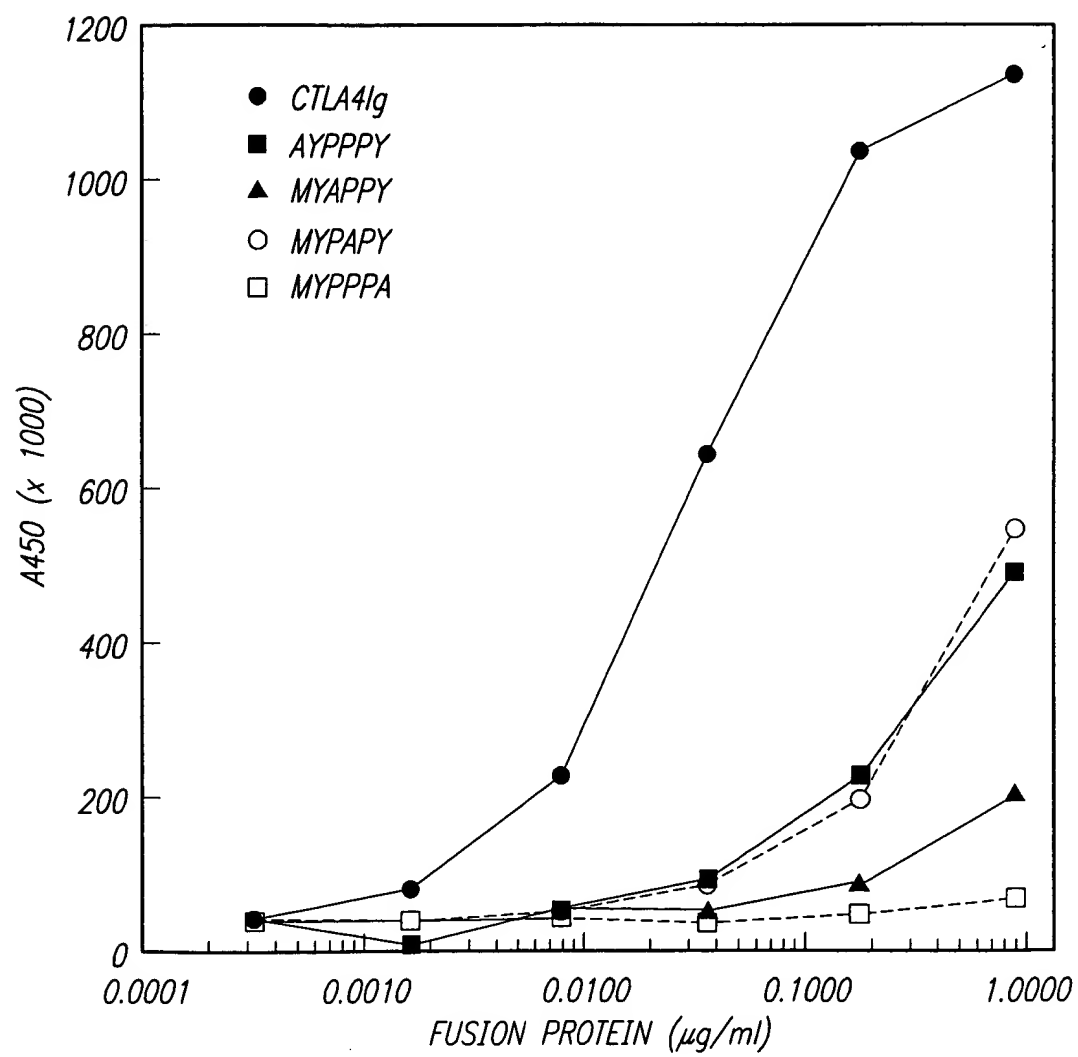
↑
+

[illegible]

Hct1a4
 Muct1a4
 Mcd28
 Rcd28
 Hcd28
 Chcd28

Hct1a4
 Muct1a4
 Mcd28
 Rcd28
 Hcd28
 Chcd28

FIG. 18



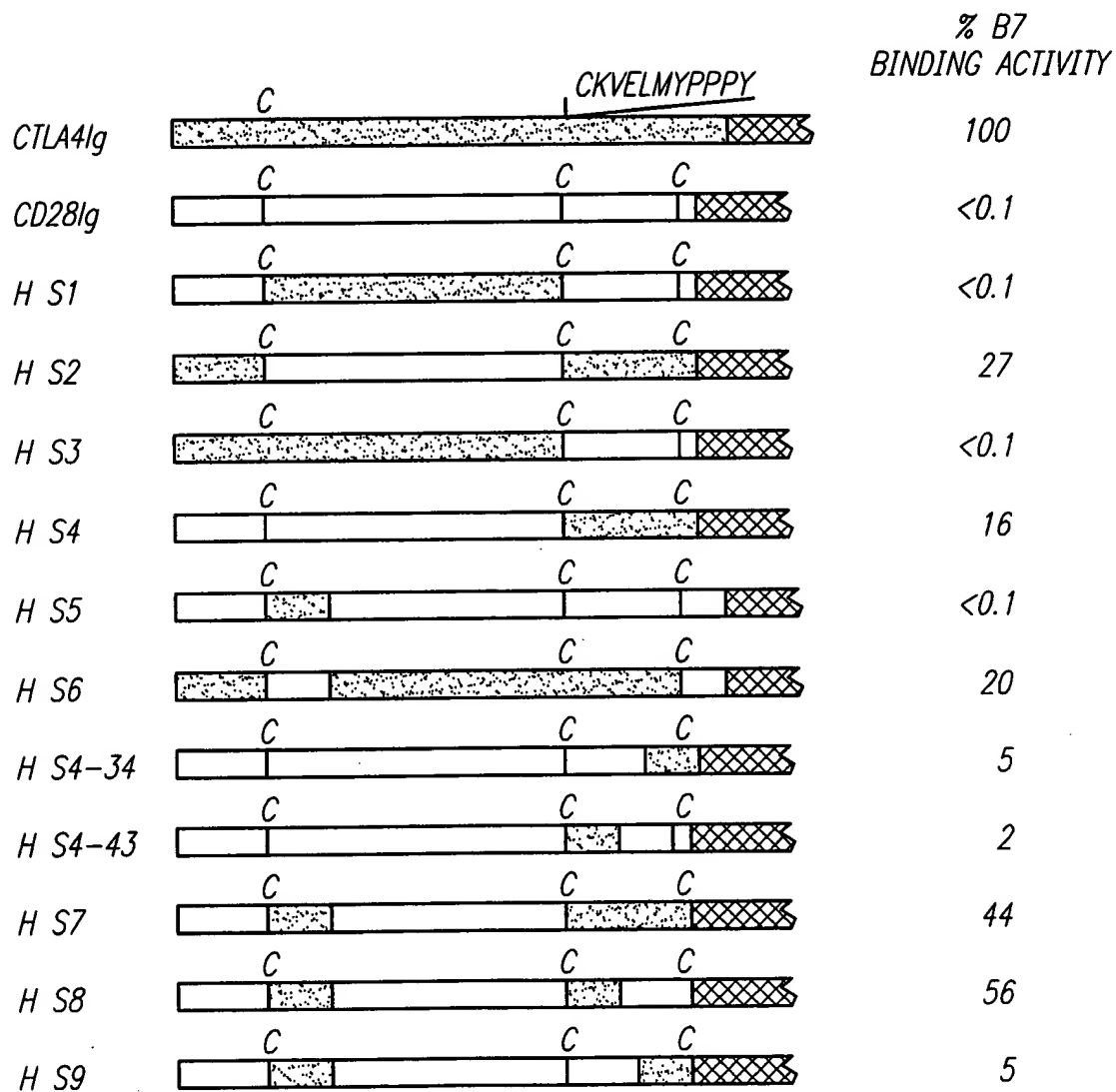
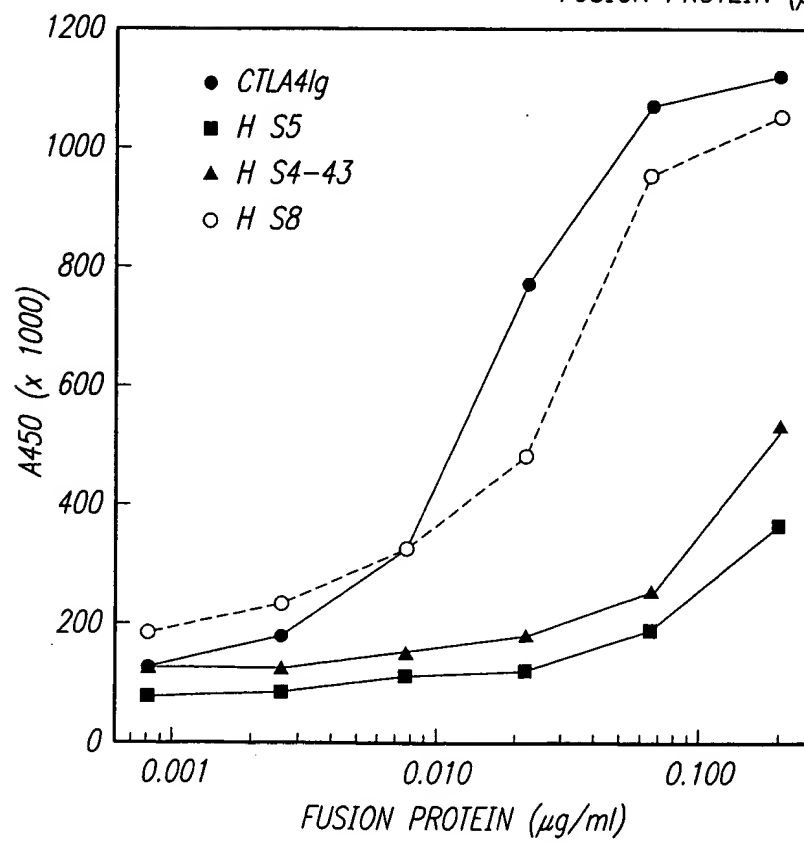
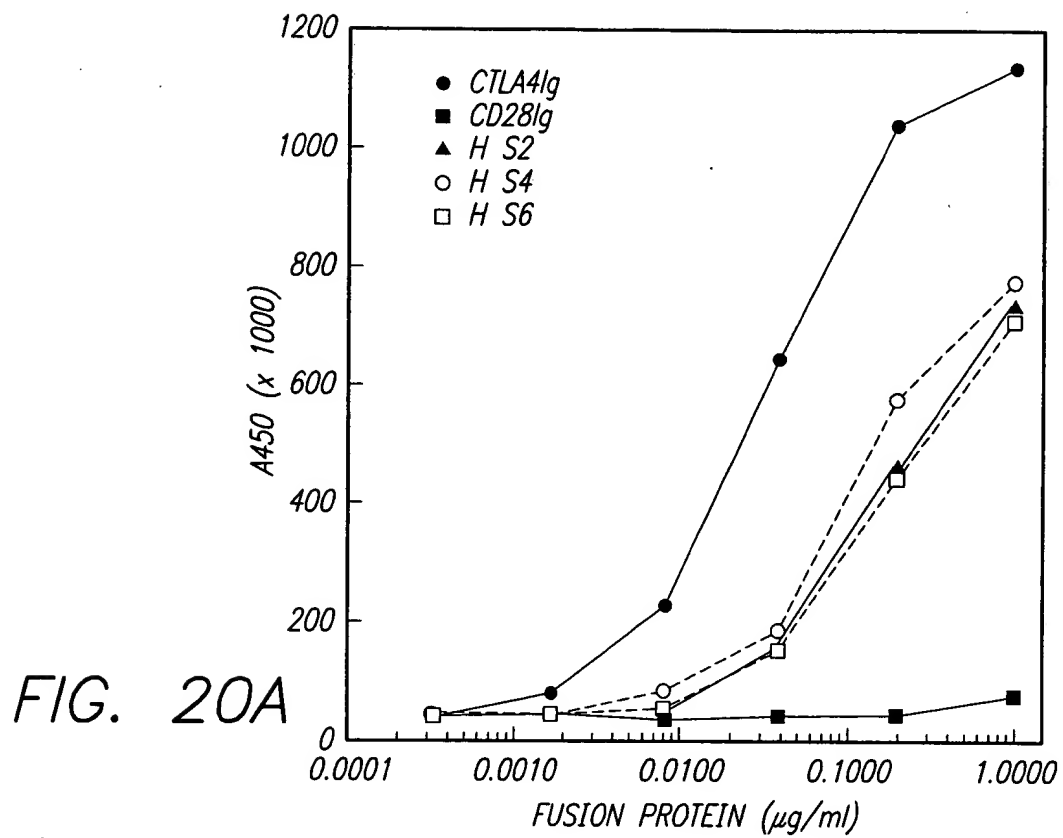
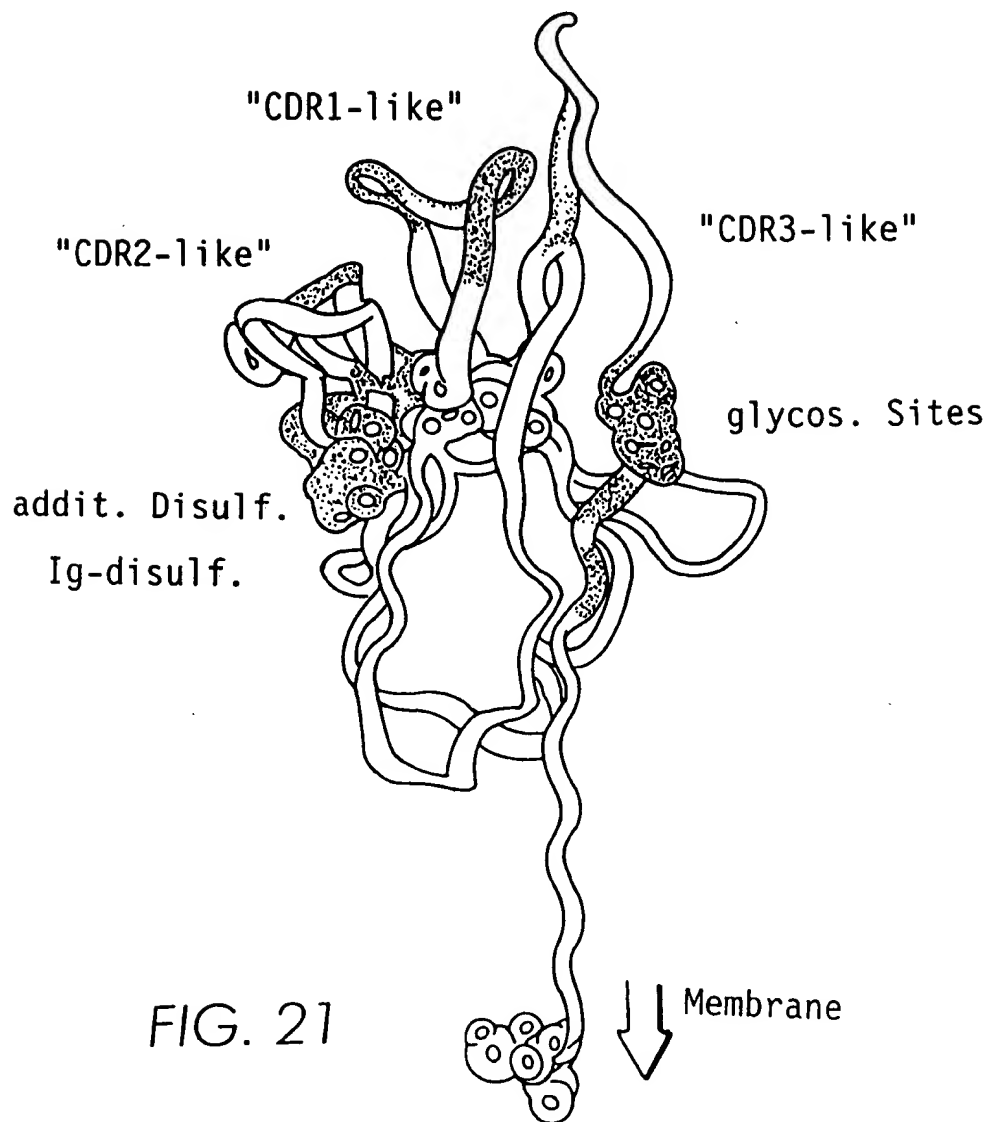


FIG. 19



CTLA-4 Model



ATGGGTGTACTGCTCACACAGAGGACGCTGCTCAGTCTGGTCCTTGCACTCCTGTTTCCA	-19
M~~G~~V~~L~~L~~T~~Q~~R~~T~~L~~L~~S~~L~~V~~L~~A~~L~~L~~F~~P~~	-7
AGCATGGCGAGCATGGCAATGCACGTGGCCCAGCCTGCTGTGGTACTGGCCAGCAGCCGA	+42
S~~M~~A~~S~~M~~A~~M~~H~~V~~A~~Q~~P~~A~~V~~V~~L~~A~~S~~S~~R~~	+14
+1	
GGCATCGCCAGCTTTGTGTGTGAGTATGCATCTCCAGGCAAAGCCACTGAGGTCCGGGTG	+102
G~~I~~A~~S~~F~~V~~C~~E~~Y~~A~~S~~P~~G~~K~~A~~T~~E~~V~~R~~V~~	+34
ACAGTGCTTCGGCAGGCTGACAGCCAGGTGACTGAAGTCTGTGCGGCAACCTACATGATG	+162
T~~V~~L~~R~~Q~~A~~D~~S~~Q~~V~~T~~E~~V~~C~~A~~A~~T~~Y~~M~~M~~	+54
GGGAATGAGTTGACCTTCCTAGATGATTCCATCTGCACGGGCACCTCCAGTGGAATCAA	+222
G~~N~~E~~L~~T~~F~~L~~D~~D~~S~~I~~C~~T~~G~~T~~S~~S~~G~~N~~Q~~	+74
GTGAACCTCACTATCCAAGGACTGAGGGCCATGGACACGGGACTCTACATCTGCAAGGTG	+282
V~~N~~L~~T~~I~~Q~~G~~L~~R~~A~~M~~D~~T~~G~~L~~Y~~I~~C~~K~~V~~	+94
GAGCTCATGTACCCACCGCCATACTACCTGGGCATAGGCAACGGAACCCAGATTTATGTA	+342
E~~L~~M~~Y~~P~~P~~P~~Y~~Y~~L~~G~~I~~G~~N~~G~~T~~Q~~I~~Y~~V~~	+114
ATTGATCCAGAACCGTGCCCGAGATTCTGATCAGGAGCCCAATCTTCTGACAAAACTCAC	+402
I~~D~~P~~E~~P~~C~~P~~D~~S~~D~~Q~~E~~P~~K~~S~~S~~D~~K~~T~~H~~	+134
ACATCCCCACCGTCCCCAGCACCTGAACTCCTGGGTGGATCGTCAGTCTTCTCTTCCCC	+462
T~~S~~P~~P~~S~~P~~A~~P~~E~~L~~L~~G~~G~~S~~S~~V~~F~~L~~F~~P~~	+154
CCAAAACCCAAGGACACCCTCATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTG	+522
P~~K~~P~~K~~D~~T~~L~~M~~I~~S~~R~~T~~P~~E~~V~~T~~C~~V~~V~~V~~	+174
GACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGAGGTG	+582
D~~V~~S~~H~~E~~D~~P~~E~~V~~K~~F~~N~~W~~Y~~V~~D~~G~~V~~E~~V~~	+194
CATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACAACAGCACGTACCGGGTGGTCAGC	+642
H~~N~~A~~K~~T~~K~~P~~R~~E~~E~~Q~~Y~~N~~S~~T~~Y~~R~~V~~V~~S~~	+214
GTCCTCACCGTCCTGCACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCC	+702
V~~L~~T~~V~~L~~H~~Q~~D~~W~~L~~N~~G~~K~~E~~Y~~K~~C~~K~~V~~S~~	+234
AACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAGCCCCGA	+762
N~~K~~A~~L~~P~~A~~P~~I~~E~~K~~T~~I~~S~~K~~A~~K~~G~~Q~~P~~R~~	+254
GAACCACAGGTGTACACCCTGCCCCCATCCCGGGATGAGCTGACCAAGAACCAGGTCAGC	+822
E~~P~~Q~~V~~Y~~T~~L~~P~~P~~S~~R~~D~~E~~L~~T~~K~~N~~Q~~V~~S~~	+274
CTGACCTGCCTGGTCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAAT	+882
L~~T~~C~~L~~V~~K~~G~~F~~Y~~P~~S~~D~~I~~A~~V~~E~~W~~E~~S~~N~~	+294
GGGCAGCCGGAACAACCTACAAGACCACGCTCCCGTGCTGGACTCCGACGGCTCCTTC	+942
G~~Q~~P~~E~~N~~N~~Y~~K~~T~~T~~P~~P~~V~~L~~D~~S~~D~~G~~S~~F~~	+314
TTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCA	+1002
F~~L~~Y~~S~~K~~L~~T~~V~~D~~K~~S~~R~~W~~Q~~Q~~G~~N~~V~~F~~S~~	+334
TGCTCCGTGATGCATGAGGCTCTGCACAACCACTACACGCAGAAGAGCCTCTCCCTGTCT	+1062
C~~S~~V~~M~~H~~E~~A~~L~~H~~N~~H~~Y~~T~~Q~~K~~S~~L~~S~~L~~S~~	+354
CCGGGTAAATGA	
P~~G~~K~~*	

FIGURE 22

ATGGGTGTACTGCTCACACAGAGGACGCTGCTCAGTCTGGTCCTTGCACTCCTGTTTCCA	-19
M~G~V~L~L~T~Q~R~T~L~L~S~L~V~L~A~L~L~F~P~	-7
AGCATGGCGAGCATGGCAATGCACGTGGCCAGCCTGCTGTGGTACTGGCCAGCAGCCGA	+42
S~M~A~S~M~A~M~H~V~A~Q~P~A~V~V~L~A~S~S~R~	+14
+1	
GGCATCGCTAGCTTTGTGTGTGAGTATGCATCTCCAGGCAAAGCCACTGAGGTCCGGGTG	+102
G~I~A~S~F~V~C~E~Y~A~S~P~G~K~A~T~E~V~R~V~	+34
ACAGTGCTTCGGCAGGCTGACAGCCAGGTGACTGAAGTCTGTGCGGCAACCTACATGATG	+162
T~V~L~R~Q~A~D~S~Q~V~T~E~V~C~A~A~T~Y~M~M~	+54
GGGAATGAGTTGACCTTCCTAGATGATTCCATCTGCACGGGCACCTCCAGTGGAAATCAA	+222
G~N~E~L~T~F~L~D~D~S~I~C~T~G~T~S~S~G~N~Q~	+74
GTGAACCTCACTATCCAAGGACTGAGGGCCATGGACACGGGACTCTACATCTGCAAGGTG	+282
V~N~L~T~I~Q~G~L~R~A~M~D~T~G~L~Y~I~C~K~V~	+94
GAGCTCATGTACCCACCGCCATACTACGAGGGCATAGGCAACGGAACCCAGATTTATGTA	+342
E~L~M~Y~P~P~P~Y~Y~E~G~I~G~N~G~T~Q~I~Y~V~	+114
ATTGATCCAGAACCGTGCCAGATTCTGATCAGGAGCCCAAATCTTCTGACAAAACCTCAC	+402
I~D~P~E~P~C~P~D~S~D~Q~E~P~K~S~S~D~K~T~H~	+134
ACATCCCCACCGTCCCCAGCACCTGAACTCCTGGGGGGATCGTCAGTCTTCCTCTTCCCC	+462
T~S~P~P~S~P~A~P~E~L~L~G~G~S~S~V~F~L~F~P~	+154
CCAAAACCCAAGGACACCCTCATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTG	+522
P~K~P~K~D~T~L~M~I~S~R~T~P~E~V~T~C~V~V~V~	+174
GACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGAGGTG	+582
D~V~S~H~E~D~P~E~V~K~F~N~W~Y~V~D~G~V~E~V~	+194
CATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACAACAGCACGTACCGTGTGGTCAGC	+642
H~N~A~K~T~K~P~R~E~E~Q~Y~N~S~T~Y~R~V~V~S~	+214
GTCTCACCGTCTGCACCAAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCC	+702
V~L~T~V~L~H~Q~D~W~L~N~G~K~E~Y~K~C~K~V~S~	+234
AACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAGCCCCGA	+762
N~K~A~L~P~A~P~I~E~K~T~I~S~K~A~K~G~Q~P~R~	+254
GAACCACAGGTGTACACCCTGCCCCCATCCCGGGATGAGCTGACCAAGAACCAGGTCAGC	+822
E~P~Q~V~Y~T~L~P~P~S~R~D~E~L~T~K~N~Q~V~S~	+274
CTGACCTGCCTGGTCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAAT	+882
L~T~C~L~V~K~G~F~Y~P~S~D~I~A~V~E~W~E~S~N~	+294
GGGCAGCCGGAGAACAACCTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGCTCCTTC	+942
G~Q~P~E~N~N~Y~K~T~T~P~P~V~L~D~S~D~G~S~F~	+314
TTCTCTACAGCAAGCTCACCGTGACAAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCA	+1002
F~L~Y~S~K~L~T~V~D~K~S~R~W~Q~Q~G~N~V~F~S~	+334
TGCTCCGTGATGCATGAGGCTCTGCACAACCACTACACGCAGAAGAGCCTCTCCCTGTCT	+1062
C~S~V~M~H~E~A~L~H~N~H~Y~T~Q~K~S~L~S~L~S~	+354
CCGGGTAAATGA	
P~G~K~*	

FIGURE 23

ATGGGTGTACTGCTCACACAGAGGACGCTGCTCAGTCTGGTCCTTGCACTCCTGTTTCCA	-19
M~~G~~V~~L~~L~~T~~Q~~R~~T~~L~~L~~S~~L~~V~~L~~A~~L~~L~~F~~P~~	-7
AGCATGGCGAGCATGGCAATGCACGTGGCCCAGCCTGCTGTGGTACTGGCCAGCAGCCGA	+42
S~~M~~A~~S~~M~~A~~M~~H~~V~~A~~Q~~P~~A~~V~~V~~L~~A~~S~~S~~R~~	+14
+1	
GGCATCGCTAGCTTTGTGTGTGAGTATGCATCTCCAGGCAAATATACTGAGGTCCGGGTG	+102
G~~I~~A~~S~~F~~V~~C~~E~~Y~~A~~S~~P~~G~~K~~Y~~T~~E~~V~~R~~V~~	+34
ACAGTGCTTCGGCAGGCTGACAGCCAGGTGACTGAAGTCTGTGCGGCAACCTACATGATG	+162
T~~V~~L~~R~~Q~~A~~D~~S~~Q~~V~~T~~E~~V~~C~~A~~A~~T~~Y~~M~~M~~	+54
GGGAATGAGTTGACCTTCCTAGATGATTCCATCTGCACGGGCACCTCCAGTGGAATCAA	+222
G~~N~~E~~L~~T~~F~~L~~D~~D~~S~~I~~C~~T~~G~~T~~S~~S~~G~~N~~Q~~	+74
GTGAACCTCACTATCCAAGGACTGAGGGCCATGGACACGGGACTCTACATCTGCAAGGTG	+282
V~~N~~L~~T~~I~~Q~~G~~L~~R~~A~~M~~D~~T~~G~~L~~Y~~I~~C~~K~~V~~	+94
GAGCTCATGTACCCACCGCCATACTACGAGGGCATAGGCAACGGAACCCAGATTTATGTA	+342
E~~L~~M~~Y~~P~~P~~P~~Y~~Y~~E~~G~~I~~G~~N~~G~~T~~Q~~I~~Y~~V~~	+114
ATTGATCCAGAACCGTGCCAGATTCTGATCAGGAGCCCCAAATCTTCTGACAAAACCTCAC	+402
I~~D~~P~~E~~P~~C~~P~~D~~S~~D~~Q~~E~~P~~K~~S~~S~~D~~K~~T~~H~~	+134
ACATCCCCACCGTCCCCAGCACCTGAACTCCTGGGGGGATCGTCAGTCTTCCTCTTCCCC	+462
T~~S~~P~~P~~S~~P~~A~~P~~E~~L~~L~~G~~G~~S~~S~~V~~F~~L~~F~~P~~	+154
CCAAAACCCAAGGACACCCTCATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTG	+522
P~~K~~P~~K~~D~~T~~L~~M~~I~~S~~R~~T~~P~~E~~V~~T~~C~~V~~V~~V~~	+174
GACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTG	+582
D~~V~~S~~H~~E~~D~~P~~E~~V~~K~~F~~N~~W~~Y~~V~~D~~G~~V~~E~~V~~	+194
CATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACAACAGCACGTACCGTGTGGTCAGC	+642
H~~N~~A~~K~~T~~K~~P~~R~~E~~E~~Q~~Y~~N~~S~~T~~Y~~R~~V~~V~~S~~	+214
GTCCTCACCGTCTGCACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCC	+702
V~~L~~T~~V~~L~~H~~Q~~D~~W~~L~~N~~G~~K~~E~~Y~~K~~C~~K~~V~~S~~	+234
AACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAGCCCCGA	+762
N~~K~~A~~L~~P~~A~~P~~I~~E~~K~~T~~I~~S~~K~~A~~K~~G~~Q~~P~~R~~	+254
GAACCACAGGTGTACACCCTGCCCCCATCCCGGGATGAGCTGACCAAGAACCAGGTGAGC	+822
E~~P~~Q~~V~~Y~~T~~L~~P~~P~~S~~R~~D~~E~~L~~T~~K~~N~~Q~~V~~S~~	+274
CTGACCTGCCTGGTCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAAT	+882
L~~T~~C~~L~~V~~K~~G~~F~~Y~~P~~S~~D~~I~~A~~V~~E~~W~~E~~S~~N~~	+294
GGGCAGCCGGAGAACAACACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGCTCCTTC	+942
G~~Q~~P~~E~~N~~N~~Y~~K~~T~~T~~P~~P~~V~~L~~D~~S~~D~~G~~S~~F~~	+314
TTCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCA	+1002
F~~L~~Y~~S~~K~~L~~T~~V~~D~~K~~S~~R~~W~~Q~~Q~~G~~N~~V~~F~~S~~	+334
TGCTCCGTGATGCATGAGGCTCTGCACAACCACTACACGCAGAAGAGCCTCTCCCTGTCT	+1062
C~~S~~V~~M~~H~~E~~A~~L~~H~~N~~H~~Y~~T~~Q~~K~~S~~L~~S~~L~~S~~	+354
CCGGGTAAATGA	
P~~G~~K~~*	

FIGURE 24

ATGGGTGTACTGCTCACACAGAGGACGCTGCTCAGTCTGGTCCTTGCACTCCTGTTTCCA	-19
M~G~V~L~L~T~Q~R~T~L~L~S~L~V~L~A~L~L~F~P~	-7
AGCATGGCGAGCATGGCAATGCACGTGGCCCAGCCTGCTGTGGTACTGGCCAGCAGCCGA	+42
S~M~A~S~M~A~M~H~V~A~Q~P~A~V~V~L~A~S~S~R~	+14
+1	
GGCATCGCTAGCTTTGTGTGTGAGTATGCATCTCCAGGCAAATTGACTGAGGTCCGGGTG	+102
G~I~A~S~F~V~C~E~Y~A~S~P~G~K~L~T~E~V~R~V~	+34
ACAGTGCTTCGGCAGGCTGACAGCCAGGTGACTGAAGTCTGTGCGGCAACCTACATGATG	+162
T~V~L~R~Q~A~D~S~Q~V~T~E~V~C~A~A~T~Y~M~M~	+54
GGGAATGAGTTGACCTTCCTAGATGATTCCATCTGCACGGGCACCTCCAGTGGAATCAA	+222
G~N~E~L~T~F~L~D~D~S~I~C~T~G~T~S~S~G~N~Q~	+74
GTGAACCTCACTATCCAAGGACTGAGGGCCATGGACACGGGACTCTACATCTGCAAGGTG	+282
V~N~L~T~I~Q~G~L~R~A~M~D~T~G~L~Y~I~C~K~V~	+94
GAGCTCATGTACCCACCGCCATACTACGAGGGCATAGGCAACGGAACCCAGATTTATGTA	+342
E~L~M~Y~P~P~P~Y~Y~E~G~I~G~N~G~T~Q~I~Y~V~	+114
ATTGATCCAGAACCGTGCCAGATTCTGATCAGGAGCCCCAAATCTTCTGACAAAACCTCAC	+402
I~D~P~E~P~C~P~D~S~D~Q~E~P~K~S~S~D~K~T~H~	+134
ACATCCCCACCGTCCCCAGCACCTGAACTCCTGGGGGGATCGTCAGTCTTCCTCTTCCCC	+462
T~S~P~P~S~P~A~P~E~L~L~G~G~S~S~V~F~L~F~P~	+154
CCAAAACCCAAGGACACCCTCATGATCTCCCGGACCCCTGAGGTACATGCGTGGTGGTG	+522
P~K~P~K~D~T~L~M~I~S~R~T~P~E~V~T~C~V~V~V~	+174
GACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGAGGTG	+582
D~V~S~H~E~D~P~E~V~K~F~N~W~Y~V~D~G~V~E~V~	+194
CATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACAACAGCACGTACCGTGTGGTCAGC	+642
H~N~A~K~T~K~P~R~E~E~Q~Y~N~S~T~Y~R~V~V~S~	+214
GTCCTCACCGTCTCTGCACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCC	+702
V~L~T~V~L~H~Q~D~W~L~N~G~K~E~Y~K~C~K~V~S~	+234
AACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAGCCAAAGGGCAGCCCCGA	+762
N~K~A~L~P~A~P~I~E~K~T~I~S~K~A~K~G~Q~P~R~	+254
GAACCACAGGTGTACACCCTGCCCCCATCCCGGGATGAGCTGACCAAGAACCAGGTACAGC	+822
E~P~Q~V~Y~T~L~P~P~S~R~D~E~L~T~K~N~Q~V~S~	+274
CTGACCTGCCTGGTCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAAT	+882
L~T~C~L~V~K~G~F~Y~P~S~D~I~A~V~E~W~E~S~N~	+294
GGGCAGCCGGAGAACAACACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGCTCCTTC	+942
G~Q~P~E~N~N~Y~K~T~T~P~P~V~L~D~S~D~G~S~F~	+314
TTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCA	+1002
F~L~Y~S~K~L~T~V~D~K~S~R~W~Q~Q~G~N~V~F~S~	+334
TGCTCCGTGATGCATGAGGCTCTGCACAACCACTACACGCAGAAGAGCCTCTCCCTGTCT	+1062
C~S~V~M~H~E~A~L~H~N~H~Y~T~Q~K~S~L~S~L~S~	+354
CCGGGTAAATGA	
P~G~K~*	

FIGURE 25

ATGGGTGTACTGCTCACACAGAGGACGCTGCTCAGTCTGGTCCTTGCACTCCTGTTTCCA	-19
M~~G~~V~~L~~L~~T~~Q~~R~~T~~L~~L~~S~~L~~V~~L~~A~~L~~L~~F~~P~~	-7
AGCATGGCGAGCATGGCAATGCACGTGGCCCAGCCTGCTGTGGTACTGGCCAGCAGCCGA	+42
S~~M~~A~~S~~M~~A~~M~~H~~V~~A~~Q~~P~~A~~V~~V~~L~~A~~S~~S~~R~~	+14
+1	
GGCATCGCTAGCTTTGTGTGTGAGTATGCATCTCCAGGCAAACTACTGAGGTCCGGGTG	+102
G~~I~~A~~S~~F~~V~~C~~E~~Y~~A~~S~~P~~G~~K~~T~~T~~E~~V~~R~~V~~	+34
ACAGTGCTTCGGCAGGCTGACAGCCAGGTGACTGAAGTCTGTGCGGCAACCTACATGATG	+162
T~~V~~L~~R~~Q~~A~~D~~S~~Q~~V~~T~~E~~V~~C~~A~~A~~T~~Y~~M~~M~~	+54
GGGAATGAGTTGACCTTCCTAGATGATTCCATCTGCACGGGCACCTCCAGTGGAAATCAA	+222
G~~N~~E~~L~~T~~F~~L~~D~~D~~S~~I~~C~~T~~G~~T~~S~~S~~G~~N~~Q~~	+74
GTGAACCTCACTATCCAAGGACTGAGGGCCATGGACACGGGACTCTACATCTGCAAGGTG	+282
V~~N~~L~~T~~I~~Q~~G~~L~~R~~A~~M~~D~~T~~G~~L~~Y~~I~~C~~K~~V~~	+94
GAGCTCATGTACCCACCGCCATACTACGAGGGCATAGGCAACGGAACCCAGATTTATGTA	+342
E~~L~~M~~Y~~P~~P~~P~~Y~~Y~~E~~G~~I~~G~~N~~G~~T~~Q~~I~~Y~~V~~	+114
ATTGATCCAGAACCGTGCCAGATTCTGATCAGGAGCCCCAAATCTTCTGACAAAACCTCAC	+402
I~~D~~P~~E~~P~~C~~P~~D~~S~~D~~Q~~E~~P~~K~~S~~S~~D~~K~~T~~H~~	+134
ACATCCCCACCGTCCCCAGCACCTGAACTCCTGGGGGGATCGTCAGTCTTCCTCTTCCCC	+462
T~~S~~P~~P~~S~~P~~A~~P~~E~~L~~L~~G~~G~~S~~S~~V~~F~~L~~F~~P~~	+154
CCAAAACCCAAGGACACCCTCATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTG	+522
P~~K~~P~~K~~D~~T~~L~~M~~I~~S~~R~~T~~P~~E~~V~~T~~C~~V~~V~~V~~	+174
GACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTG	+582
D~~V~~S~~H~~E~~D~~P~~E~~V~~K~~F~~N~~W~~Y~~V~~D~~G~~V~~E~~V~~	+194
CATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACAACAGCACGTACCGTGTGGTCAGC	+642
H~~N~~A~~K~~T~~K~~P~~R~~E~~E~~Q~~Y~~N~~S~~T~~Y~~R~~V~~V~~S~~	+214
GTCCTCACCGTCTCTGCACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCC	+702
V~~L~~T~~V~~L~~H~~Q~~D~~W~~L~~N~~G~~K~~E~~Y~~K~~C~~K~~V~~S~~	+234
AACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAGCCCCGA	+762
N~~K~~A~~L~~P~~A~~P~~I~~E~~K~~T~~I~~S~~K~~A~~K~~G~~Q~~P~~R~~	+254
GAACCACAGGTGTACACCCTGCCCCCATCCCGGGATGAGCTGACCAAGAACCAGGTGAGC	+822
E~~P~~Q~~V~~Y~~T~~L~~P~~P~~S~~R~~D~~E~~L~~T~~K~~N~~Q~~V~~S~~	+274
CTGACCTGCCTGGTCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAAT	+882
L~~T~~C~~L~~V~~K~~G~~F~~Y~~P~~S~~D~~I~~A~~V~~E~~W~~E~~S~~N~~	+294
GGGCAGCCGGAGAACAACACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGCTCCTTC	+942
G~~Q~~P~~E~~N~~N~~Y~~K~~T~~T~~P~~P~~V~~L~~D~~S~~D~~G~~S~~F~~	+314
TTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCA	+1002
F~~L~~Y~~S~~K~~L~~T~~V~~D~~K~~S~~R~~W~~Q~~Q~~G~~N~~V~~F~~S~~	+334
TGCTCCGTGATGCATGAGGCTCTGCACAACCACTACACGCAGAAGAGCCTCTCCCTGTCT	+1062
C~~S~~V~~M~~H~~E~~A~~L~~H~~N~~H~~Y~~T~~Q~~K~~S~~L~~S~~L~~S~~	+354
CCGGGTAAATGA	
P~~G~~K~~*	

FIGURE 26

ATGGGTGTACTGCTCACACAGAGGACGCTGCTCAGTCTGGTCCTTGCACTCCTGTTTCCA	-19
M~~G~~V~~L~~L~~T~~Q~~R~~T~~L~~L~~S~~L~~V~~L~~A~~L~~L~~F~~P~~	-7
AGCATGGCGAGCATGGCAATGCACGTGGCCCAGCCTGCTGTGGTACTGGCCAGCAGCCGA	+42
S~~M~~A~~S~~M~~A~~M~~H~~V~~A~~Q~~P~~A~~V~~V~~L~~A~~S~~S~~R~~	+14
+1	
GGCATCGCTAGCTTTGTGTGTGAGTATGCATCTCCAGGCAAATGGACTGAGGTCCGGGTG	+102
G~~I~~A~~S~~F~~V~~C~~E~~Y~~A~~S~~P~~G~~K~~W~~T~~E~~V~~R~~V~~	+34
ACAGTGCTTCGGCAGGCTGACAGCCAGGTGACTGAAGTCTGTGCGGCAACCTACATGATG	+162
T~~V~~L~~R~~Q~~A~~D~~S~~Q~~V~~T~~E~~V~~C~~A~~A~~T~~Y~~M~~M~~	+54
GGGAATGAGTTGACCTTCCTAGATGATTCCATCTGCACGGGCACCTCCAGTGGAATCAA	+222
G~~N~~E~~L~~T~~F~~L~~D~~D~~S~~I~~C~~T~~G~~T~~S~~S~~G~~N~~Q~~	+74
GTGAACCTCACTATCCAAGGACTGAGGGCCATGGACACGGGACTCTACATCTGCAAGGTG	+282
V~~N~~L~~T~~I~~Q~~G~~L~~R~~A~~M~~D~~T~~G~~L~~Y~~I~~C~~K~~V~~	+94
GAGCTCATGTACCCACCGCCATACTACGAGGGCATAGGCAACGGAACCCAGATTTATGTA	+342
E~~L~~M~~Y~~P~~P~~P~~Y~~Y~~E~~G~~I~~G~~N~~G~~T~~Q~~I~~Y~~V~~	+114
ATTGATCCAGAACCGTGCCAGATTCTGATCAGGAGCCCAAATCTTCTGACAAAACCTCAC	+402
I~~D~~P~~E~~P~~C~~P~~D~~S~~D~~Q~~E~~P~~K~~S~~S~~D~~K~~T~~H~~	+134
ACATCCCCACCGTCCCCAGCACCTGAACTCCTGGGGGGATCGTCAGTCTTCCTCTTCCCC	+462
T~~S~~P~~P~~S~~P~~A~~P~~E~~L~~L~~G~~G~~S~~S~~V~~F~~L~~F~~P~~	+154
CCAAAACCCAAGGACACCCTCATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTG	+522
P~~K~~P~~K~~D~~T~~L~~M~~I~~S~~R~~T~~P~~E~~V~~T~~C~~V~~V~~V~~	+174
GACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGAGGTG	+582
D~~V~~S~~H~~E~~D~~P~~E~~V~~K~~F~~N~~W~~Y~~V~~D~~G~~V~~E~~V~~	+194
CATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACAACAGCACGTACCGTGTGGTCAGC	+642
H~~N~~A~~K~~T~~K~~P~~R~~E~~E~~Q~~Y~~N~~S~~T~~Y~~R~~V~~V~~S~~	+214
GTCCTCACCGTCTCTGCACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCC	+702
V~~L~~T~~V~~L~~H~~Q~~D~~W~~L~~N~~G~~K~~E~~Y~~K~~C~~K~~V~~S~~	+234
AACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAGCCCCGA	+762
N~~K~~A~~L~~P~~A~~P~~I~~E~~K~~T~~I~~S~~K~~A~~K~~G~~Q~~P~~R~~	+254
GAACCACAGGTGTACACCCTGCCCCCATCCCGGGATGAGCTGACCAAGAACCAGGTGAGC	+822
E~~P~~Q~~V~~Y~~T~~L~~P~~P~~S~~R~~D~~E~~L~~T~~K~~N~~Q~~V~~S~~	+274
CTGACCTGCCTGGTCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAAT	+882
L~~T~~C~~L~~V~~K~~G~~F~~Y~~P~~S~~D~~I~~A~~V~~E~~W~~E~~S~~N~~	+294
GGGCAGCCGGAGAACAACACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGCTCCTTC	+942
G~~Q~~P~~E~~N~~N~~Y~~K~~T~~T~~P~~P~~V~~L~~D~~S~~D~~G~~S~~F~~	+314
TTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCA	+1002
F~~L~~Y~~S~~K~~L~~T~~V~~D~~K~~S~~R~~W~~Q~~Q~~G~~N~~V~~F~~S~~	+334
TGCTCCGTGATGCATGAGGCTCTGCACAACCACTACACGCAGAAGAGCCTCTCCCTGTCT	+1062
C~~S~~V~~M~~H~~E~~A~~L~~H~~N~~H~~Y~~T~~Q~~K~~S~~L~~S~~L~~S~~	+354
CCGGGTAAATGA	
P~~G~~K~~*	

FIGURE 27

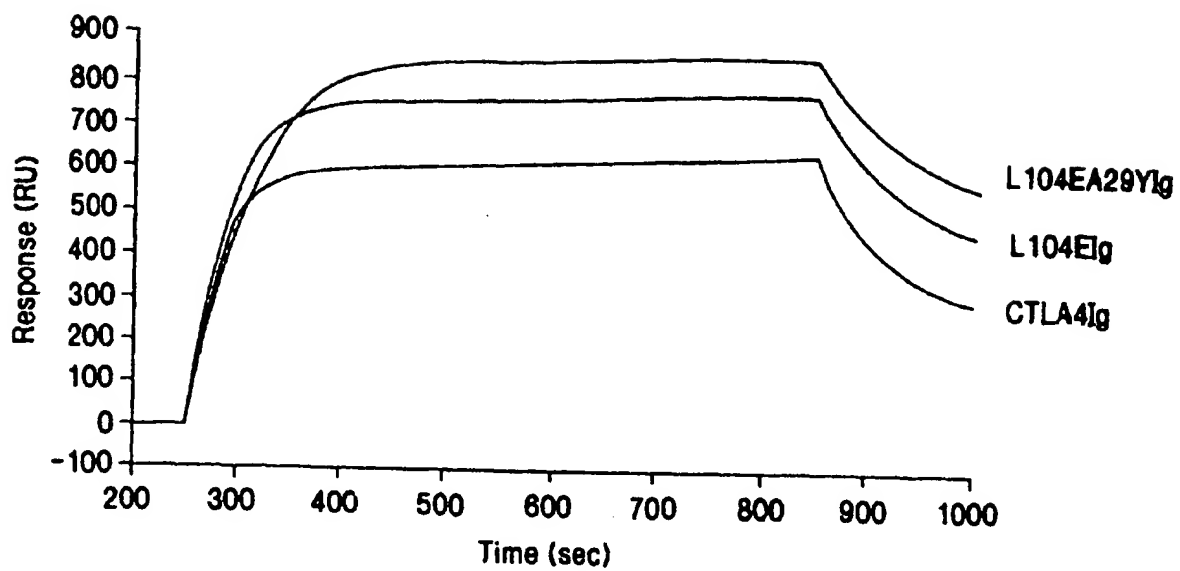


FIG 28

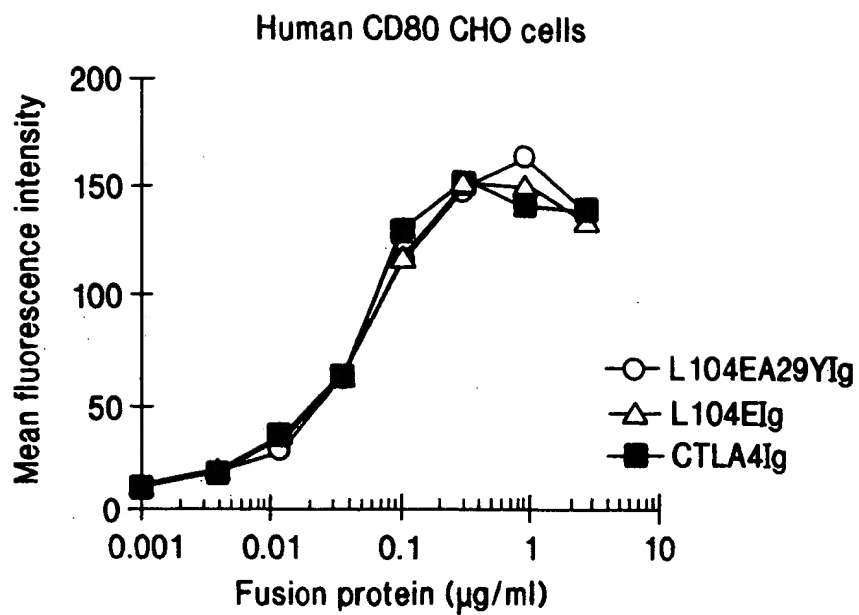


FIG 29A

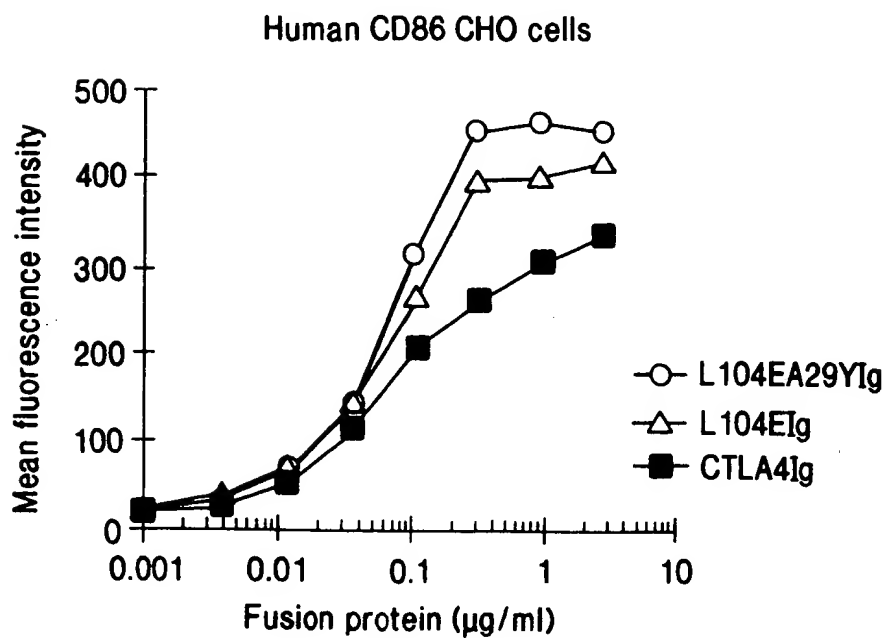


FIG 29B

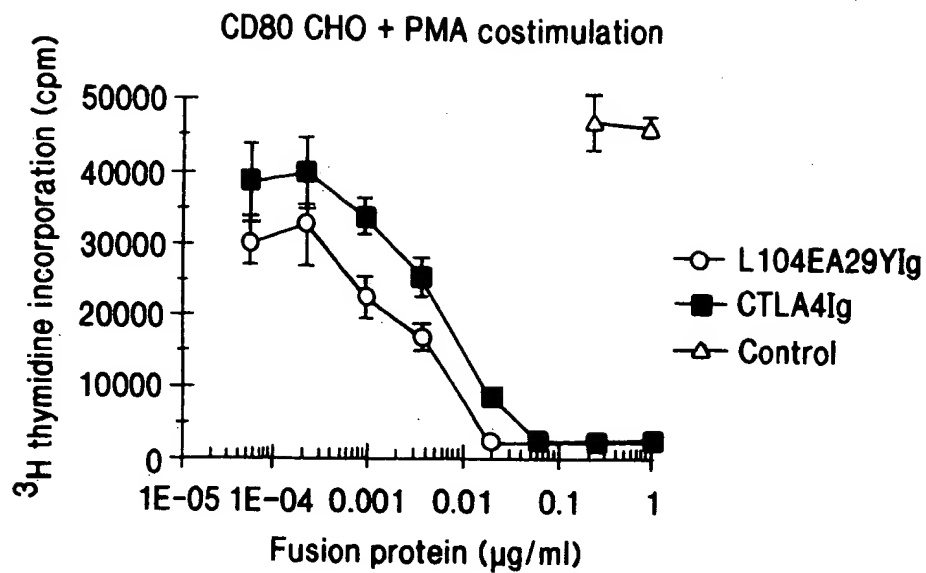


FIG 30A

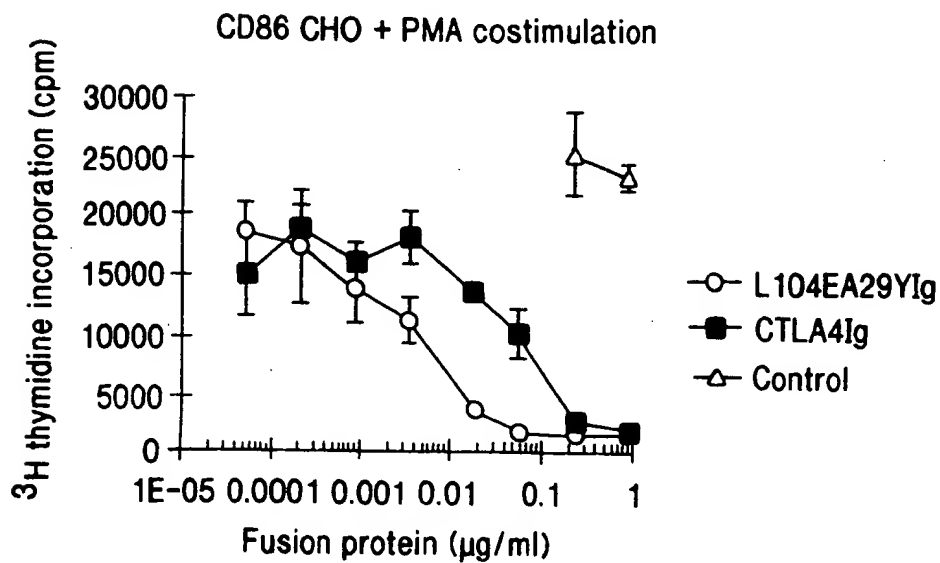


FIG 30B

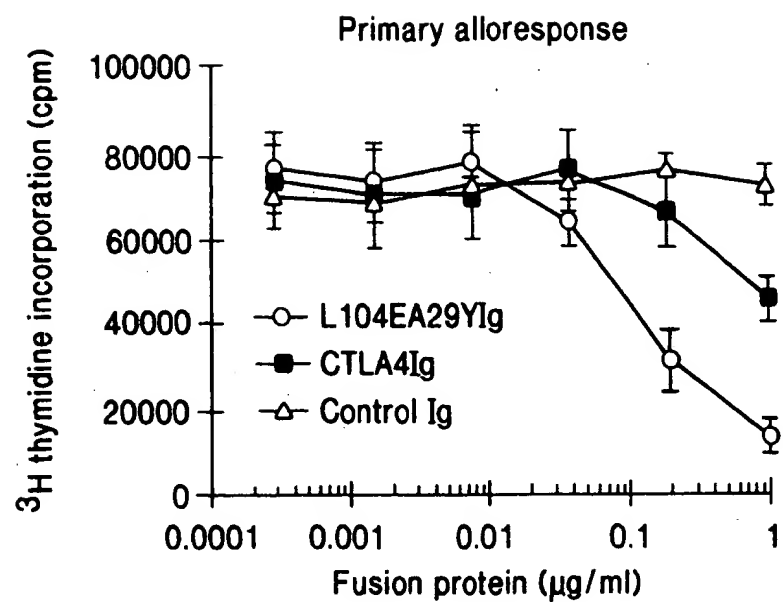


FIG 31A

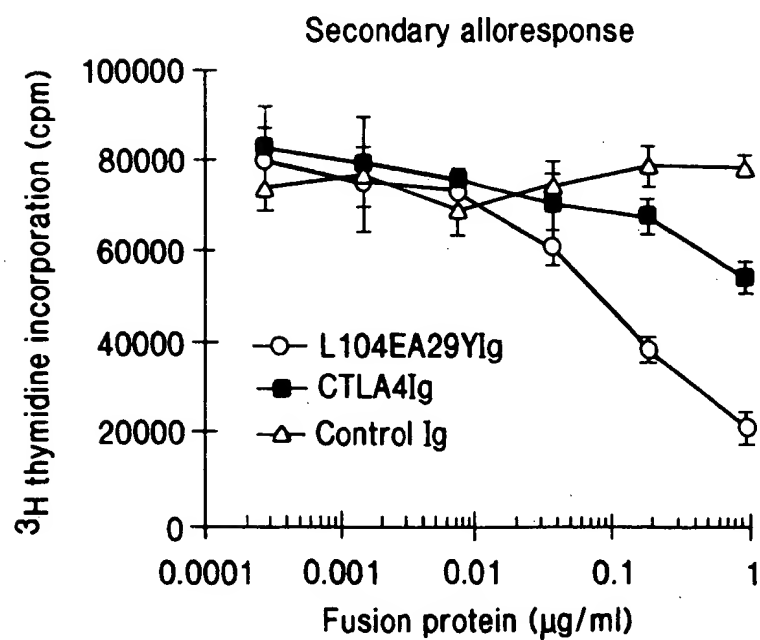


FIG 31B

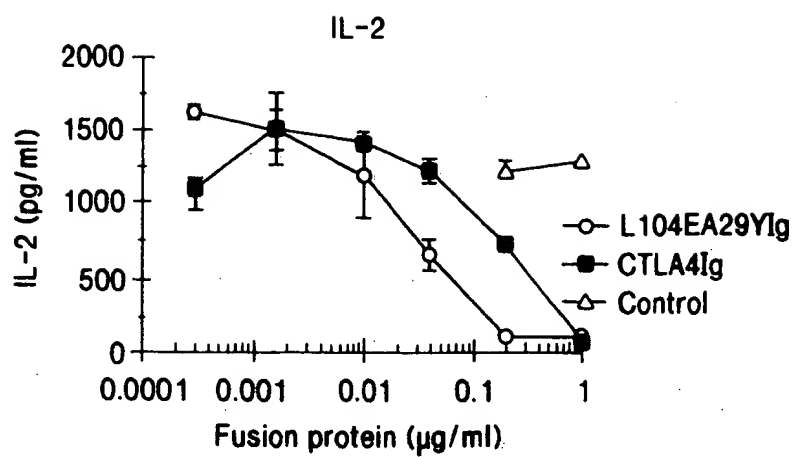


FIG 32A

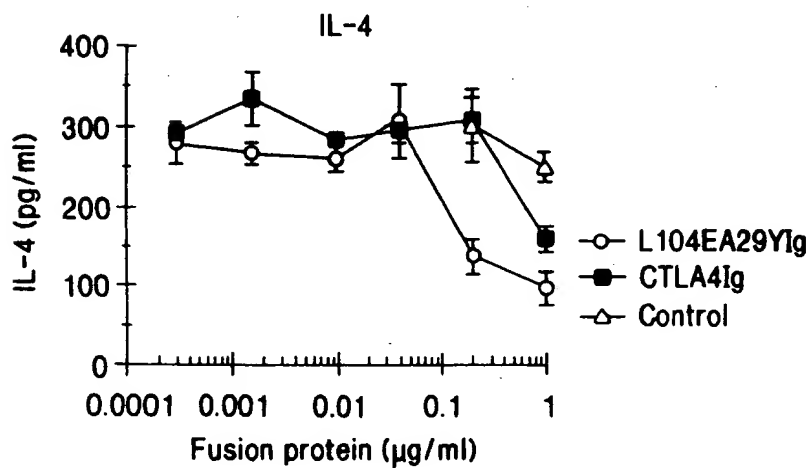


FIG 32B

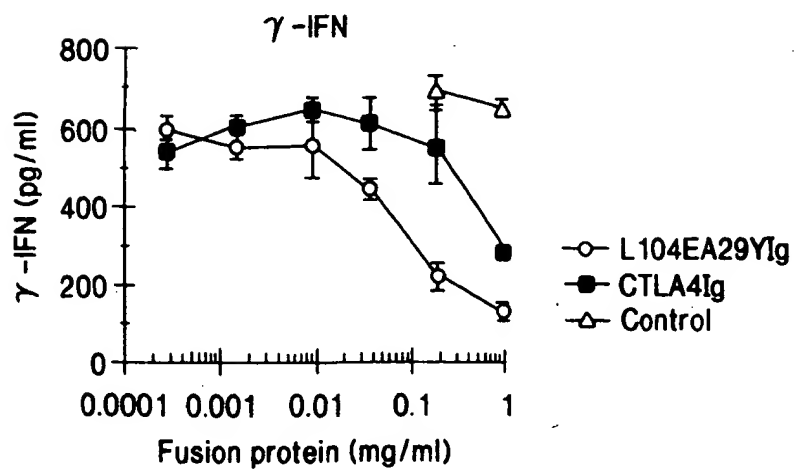


FIG 32C

Inhibition of PHA-induced monkey T cell proliferation

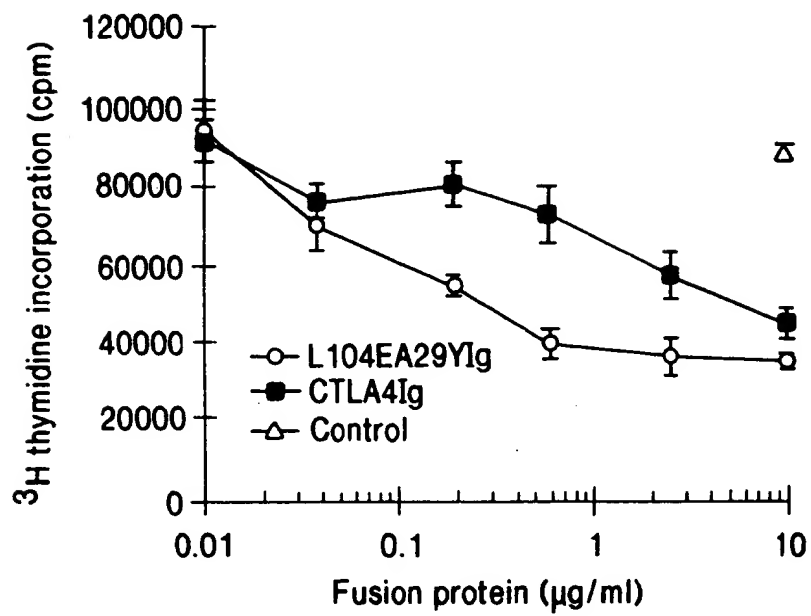


FIG 33

FIG. 34A

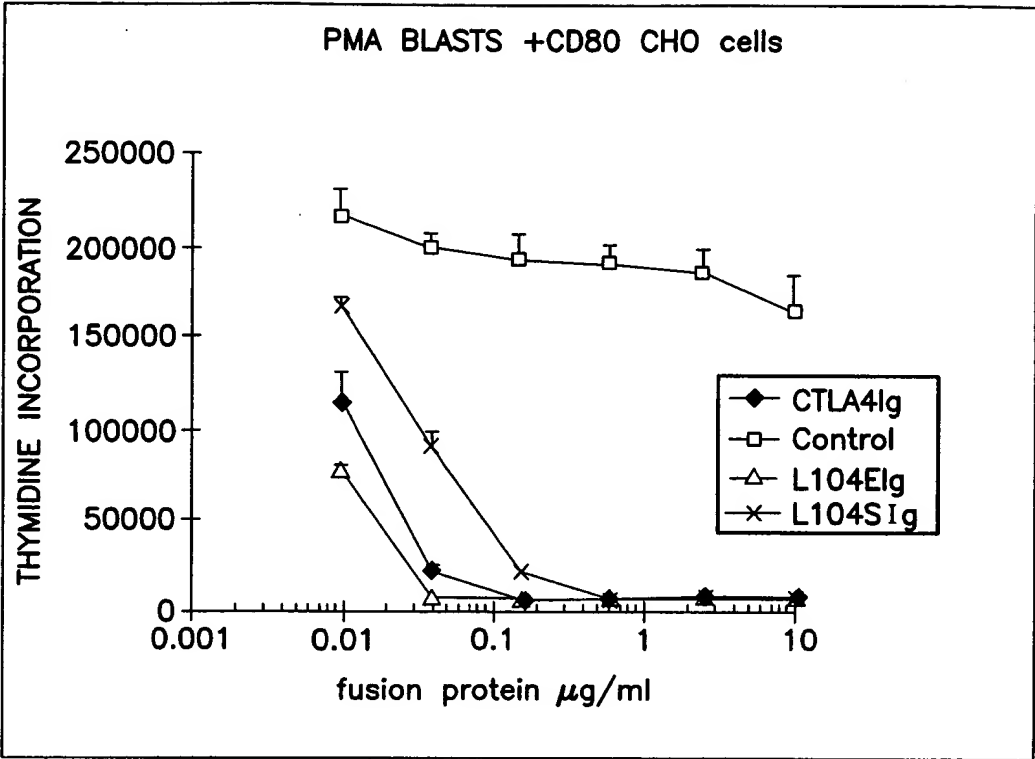


FIG. 34B

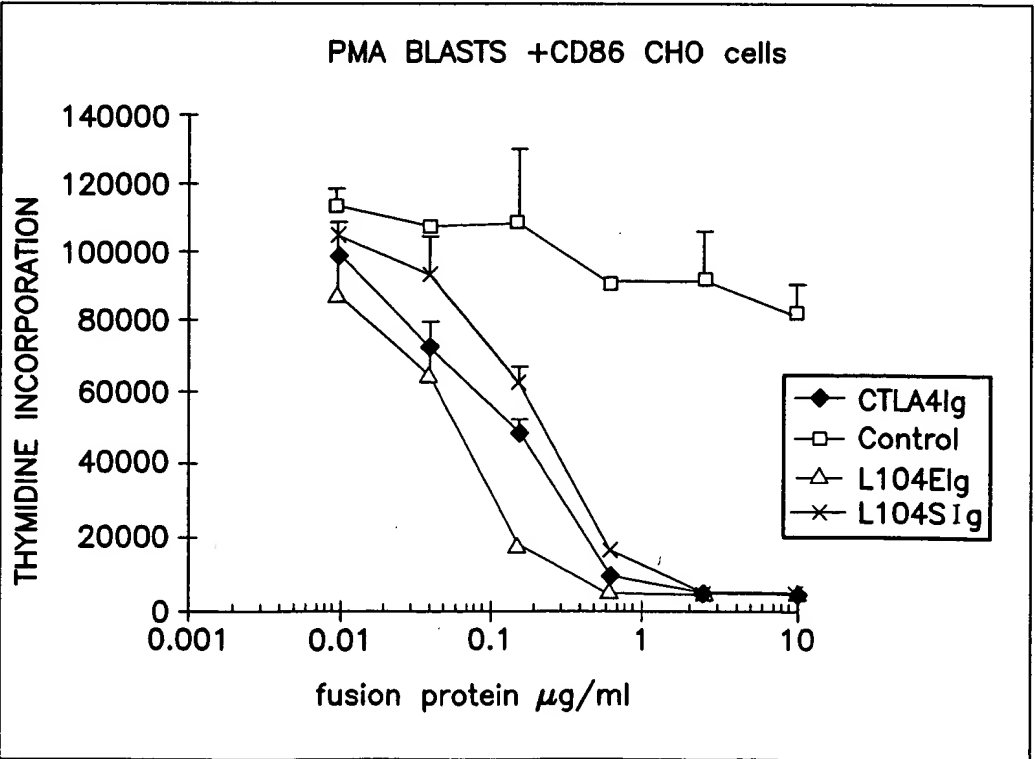


FIG. 35A

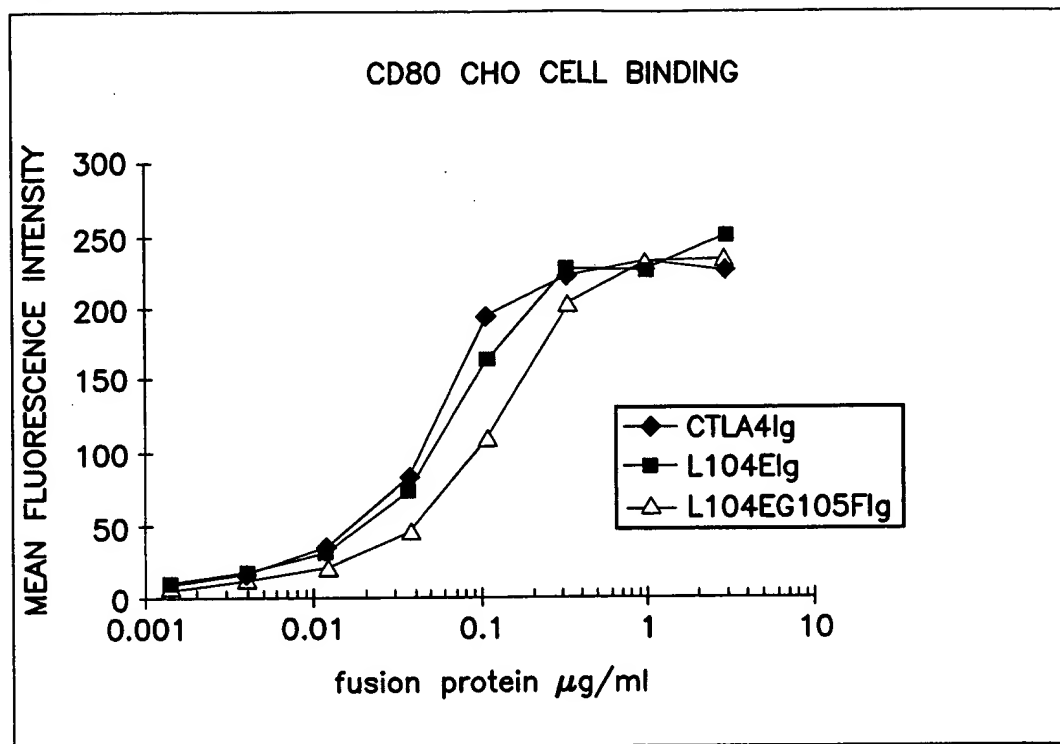


FIG. 35B

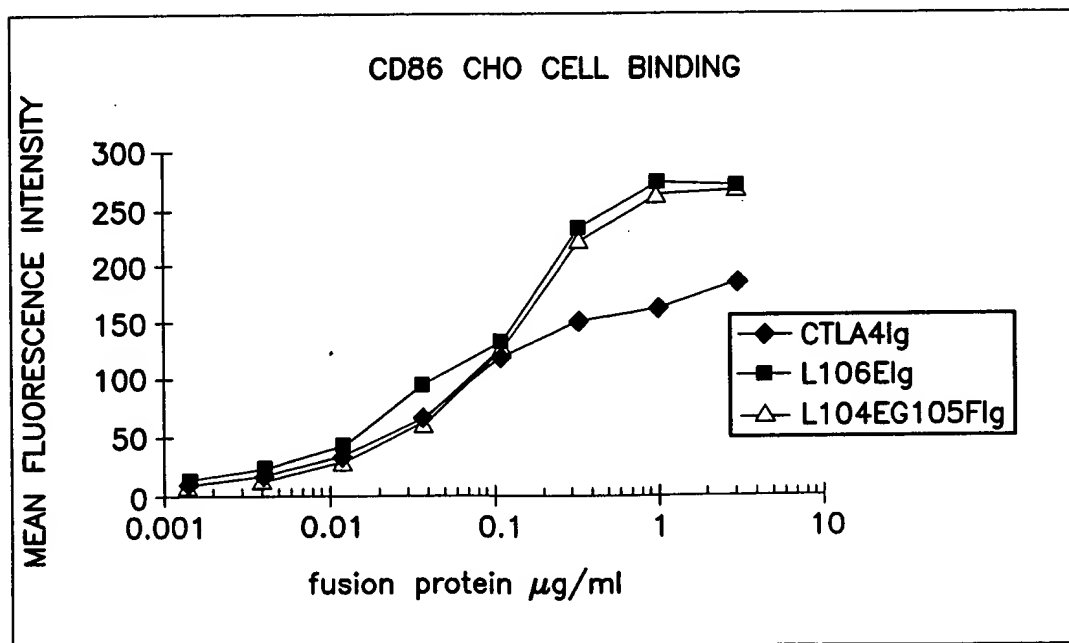


FIG. 36

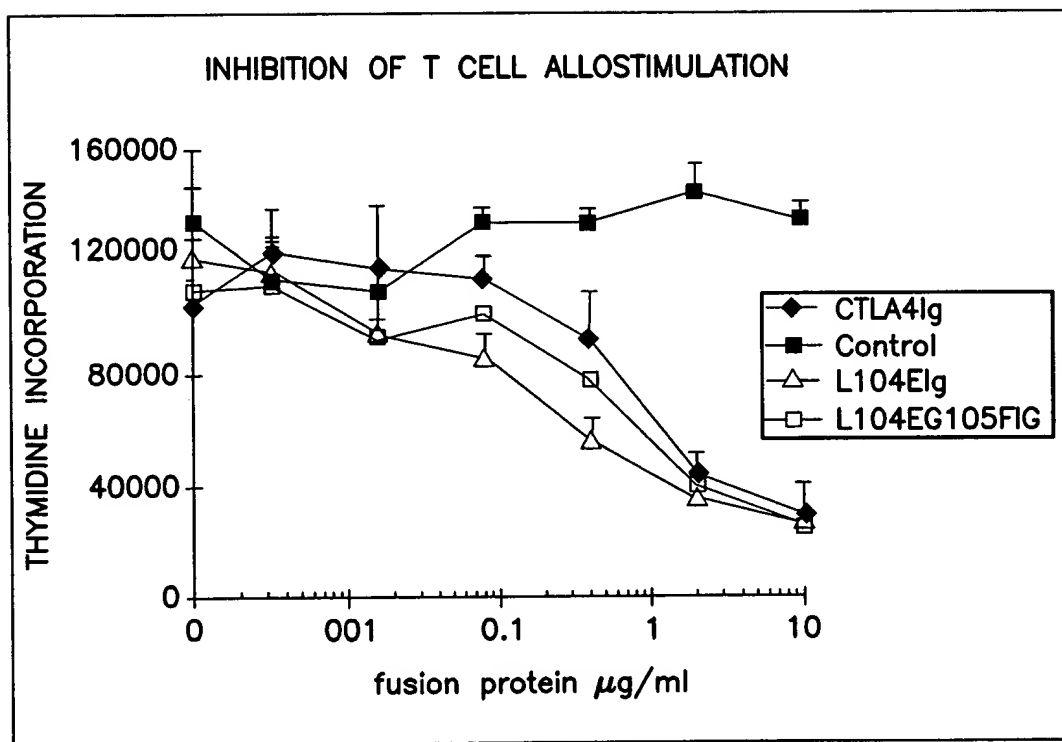


FIG. 37A

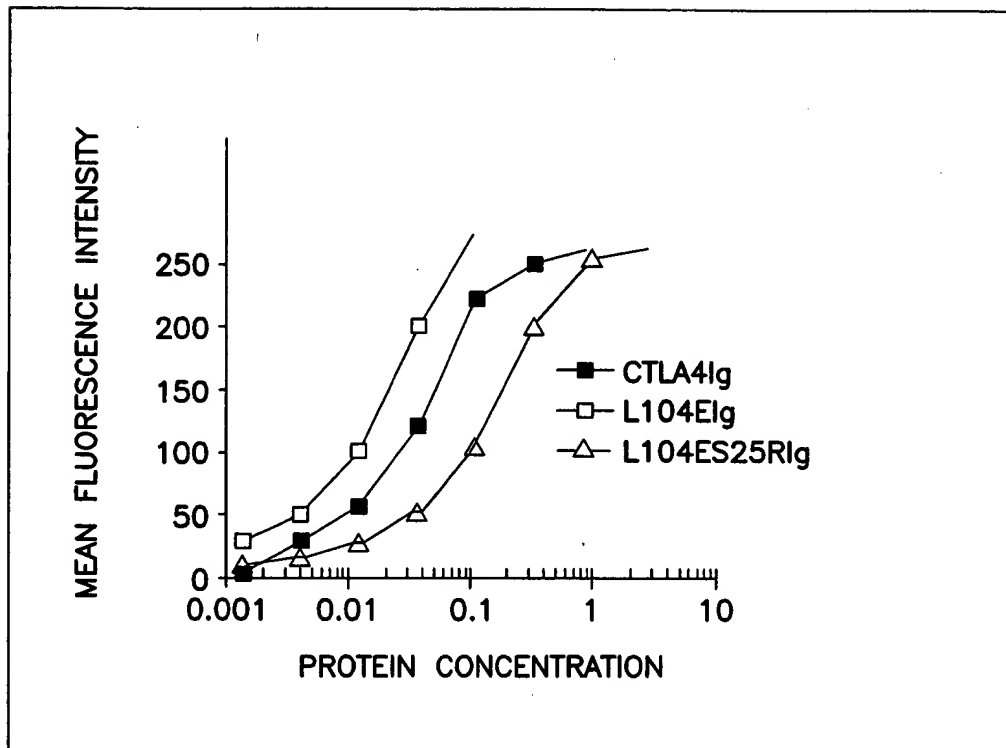
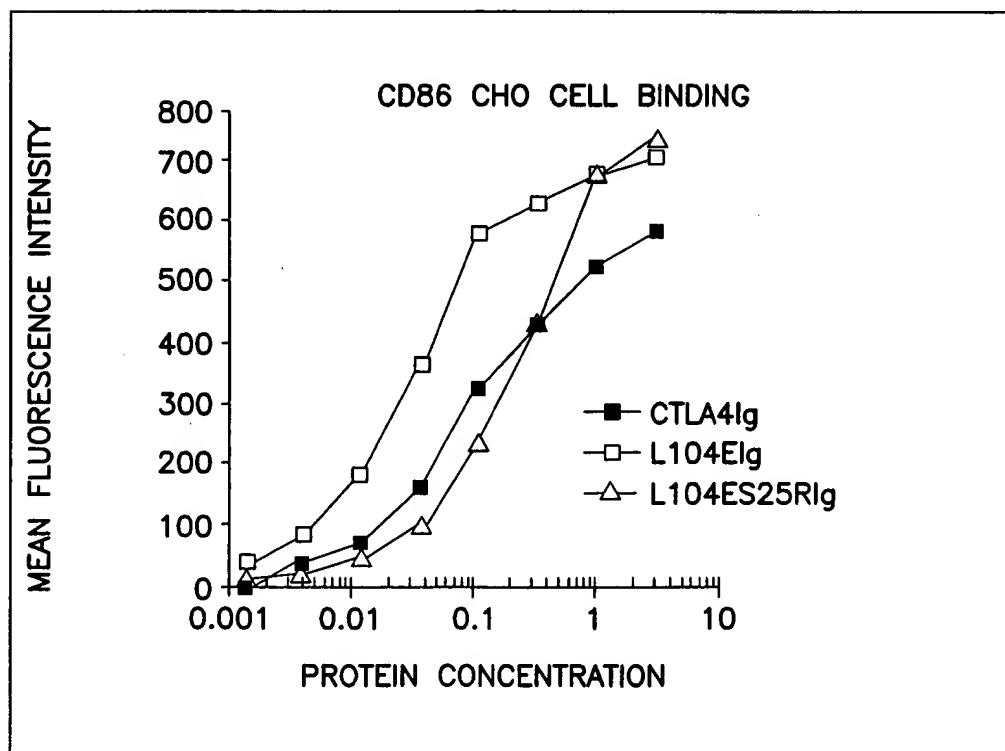


FIG. 37B



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